THE CITY RECORD.

VOL. XXXVII. NEW YORK, WEDNESDAY, DECEMBER 22, 1909. NUMBER 11137.

THE CITY RECORD.

OFFICIAL JOURNAL OF THE CITY OF NEW YORK.

Published Under Authority of Section 1526, Greater New York Charter, by the

BOARD OF CITY RECORD.

GEORGE B. McCLELLAN, MAYOR.

FRANCIS K. PENDLETON, CORPORATION COUNSEL. HERMAN A. METZ, COMPTROLLER.

PATRICK J. TRACY, SUPERVISOR.

Published daily, at 9 a. m., except legal holidays.

Subscription, $9.30 per year, exclusive of supplements. Three cents a copy.

SUPPLEMENTS: Civil List (containing names, salaries, etc., of the city employees), 25 cents; Official Canvass of Votes, 10 cents; Registry and Enrollment Lists, 5 cents each assembly district; Law Department and Finance Department supplements, 10 cents each; Annual Assessed Valuation of Real Estate, 25 cents each section.

Published at Room 2, City Hall (north side), New York City.

Entered as Second-class Matter. Post Office at New York City.

TABLE OF CONTENTS.

Assessors, Board of—
Public Notices 14922
Bellevue and Allied Hospitals—
Minutes of Meeting of Board of Trustees, September 7, 1909 14903
Board Meetings 14913
Bridges, Department of—
Bids Received and Contract Awarded 14910
Proposals 14922
Bronx, Borough of—
Proposals 14921
Brooklyn, Borough of—
Proposals 14920
Brooklyn Disciplinary Training School—
Proposals 14916
Change of Grade Damage Commission—
Public Notice 14917
Changes in Departments, etc 14910
City Record, Board of—
Notice of Removal of Distributing Division 14841
Proposals 14917
College of The City of New York—
Proposals 14920
Correction, Department of—
Proposals 14923
Report of Transactions, November 29 to December 5, 1909 14882
Docks and Ferries, Department of—
Auction Sale 14923
Proposals 14923
Education, Department of—
Proposals 14924
Estimate and Apportionment, Board of—
Franchise Matters 14925
Minutes of Meeting of November 29, 1909 (Financial Matters) .. 14843
Public Improvement Matters 14924
Public Notice of Hearing 14924
Finance, Department of—
Corporation Sales 14915
Interest on City Bonds and Stock ... 14913
Notice of Sale for Unpaid Taxes, etc. 14913
Notices to Property Owners 14913
Sureties on Contracts 14913
Fire Department—
Proposals 14919
Health, Department of—
Proposals 14932
Report for the Week Ending December 11, 1909 14901
Manhattan, Borough of—
Proposals 14932
Report of Commissioner of Public Works for the Week Ending December 1, 1909 14842
Meteorological Observatory—
Abstract of Registers for the Week Ending December 11, 1909 14842
Municipal Civil Service Commission—
Public Notices 14919
Notice to Contractors 14936
Official Borough Papers 14913
Official Directory 14910
Official Papers 14932
Parks, Department of—
Proposals 14918
Report for the Quarter Ending March 31, 1909, Boroughs of Manhattan and Richmond 14841
Permanent Census Board—
Minutes of Meeting of December 10, 1909 14902
Police Department—
Auction Sale 14931
Owners Wanted for Lost Property .. 14931
Proceedings of December 7, 8, 9 and 10, 1909 14898
Proposals 14931
Report of Sanitary Company (Boiler Squad) for December 9, 1909 .. 14901
Public Charities, Department of—
Proposals 14919
Public Service Commission for the First District—
Calendar of Hearings 14841
Richmond, Borough of—
Proposals 14916
Report of Bureau of Buildings for the Week Ending December 11, 1909 14901
Sheriff, New York County—
Proposals 14917
Sinking Fund, Commissioners of—
Minutes of Meeting of December 15, 1909 14883
State Water Supply Commission—
Public Notice 14922
Street Cleaning, Department of—
Proposals 14917
Supreme Court, First Department—
Acquiring Title to Lands, etc 14932
Supreme Court, Second Department—
Acquiring Title to Lands, etc 14935
Supreme Court, Third Judicial District—
Acquiring Title to Lands, etc 14936
Supreme Court, Ninth Judicial District—
Acquiring Title to Lands, etc 14936
Water Supply, Board of—
Proposals 14932
Water Supply, Gas and Electricity, Department of—
Proposals 14917

NOTICE OF REMOVAL.

City Record—Distributing Division.

The Distributing Division of the City Record, which has heretofore been located at No. 2 City Hall, has been removed to Nos. 96-98 Reade Street, near West Broadway.

PATRICK J. TRACY,
Supervisor of the City Record.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,

No. 154 NASSAU STREET, NEW YORK CITY.

WEEKLY CALENDAR OF HEARINGS.

The following hearings will be held during the remainder of the week commencing Monday, December 20, 1909:

Wednesday, December 22—11:00 a. m.—Room 310.—CITY OF NEW YORK AND BRADLEY CONTRACTING COMPANY.—"Arbitrations (Nos. 2, 3 and 4) of determination of Chief Engineer."—H. H. Whitman, of Counsel.

12:30 p. m.—Room 305.—Case No. 1189.—ELECTRICAL CORPORATIONS.—"Discontinuance of electric current energy meters of type not certified as conforming to specifications."—Commissioner Maltbie.

2:30 p. m.—Room 310.—Case No. 1077.—CONEY ISLAND AND BROOKLYN RAILROAD COMPANY.—"Repairs and improvements to tracks and switches on DeKalb Avenue."—Commissioner Bassett.

2:30 p. m.—Room 305.—Case No. 1181.—THIRD AVENUE RAILROAD COMPANY.—"Application of Bondholders' Committee for approval of issue of securities under second reorganization plan."—Chairman Willcox and Commissioner Maltbie.

Thursday, December 23—2:30 p. m.—Room 310.—Case No. 1174.—KINGS COUNTY ELECTRIC LIGHT AND POWER COMPANY.—"Application for approval of issue of convertible debenture bonds for $5,000,000."—Commissioner Maltbie.

2:30 p. m.—Room 305.—Case No. 1134.—CONEY ISLAND AND BROOKLYN RAILROAD COMPANY.—Jonas Monheimer, Complainant.—"Five cent fare from New York to Coney Island on week days."—Commissioner Bassett.

4:00 p. m.—Room 305.—Case No. 420.—CONEY ISLAND AND BROOKLYN RAILROAD COMPANY.—"Application for permission to issue $462,000 additional bonds."—Commissioner Bassett.

Friday, December 24—10:00 a. m.—Room 305.—Case No. 1188.—UNION RAILWAY COMPANY AND WESTCHESTER ELECTRIC RAILROAD COMPANY.—"Application for approval of operating agreement."—Commissioner Eustis.

2:30 p. m.—Case No. 1182.—Room 305.—NEW YORK CENTRAL AND HUDSON RIVER RAILROAD COMPANY.—"Application for approval of extension of time to complete depression of tracks, etc."—Commissioner Eustis.

2:30 p. m.—Room 305.—Case No. 1177.—INTERBOROUGH RAPID TRANSIT COMPANY.—"Lighting of cars and stations."—Commissioner Eustis.

Regular meetings of the Commission are held every Tuesday and Friday at 11:30 a. m. in Room 310.

DEPARTMENT OF PARKS.

REPORT FOR THE QUARTER ENDING MARCH 31, 1909.

Department of Parks, Manhattan and Richmond,
Arsenal, Central Park,
April 1, 1909.

Hon. GEORGE B. McCLELLAN, Mayor:

Sir—I have the honor to transmit herewith quarterly report of the operations and finances of the Department of Parks, Boroughs of Manhattan and Richmond, for the three months ending March 31, 1909.

Respectfully,
HENRY SMITH, Commissioner.

DEPARTMENT OF PARKS.

BOROUGHS OF MANHATTAN AND RICHMOND.

Repart for the Quarter Ending March 31, 1909.

The work of extending the new water supply system for Central Park, which was begun during the last quarter of 1908, was continued in the Ramble, and in the vicinity of Fifth avenue, between Sixty-sixth and Sixty-ninth streets.

Mud and sediment to an average depth of two feet was removed from the bottom and sides of Conservatory Pond, Central Park, and the space filled with stones as a foundation for the concrete finish.

The construction of an entrance for pedestrians at One Hundred and Sixth street and Central Park West was begun the latter part of the quarter, 250 cubic yards of earth being removed.

Work was begun on the contract for erecting three-rail pipe fences along the sides of the East drive north of Fifty-ninth street, 1,500 running feet of fence being erected.

A temporary playground was constructed in the northerly portion of John Jay Park.

Work in connection with the contract for laying asphalt walks, setting curb, etc., in the addition to Riverside Park, between One Hundred and Twenty-second street and Claremont place, was begun during this quarter.

In Corlears Hook Park a fence was erected along the water-front. In Hamilton Fish and Hudson Parks, pavilions were erected for the use of Playground Attendants. The running track in William H. Seward Park was resurfaced and put in first class condition.

The planting in St. Nicholas Park, Thomas Jefferson Park, and the small parks at One Hundred and Seventeenth street and Seventh avenue, and One Hundred and Thirty-eighth stret and Broadway, and at One Hundred and Forty-ninth street and Broadway, was completed.

A tool house was constructed in St. Nicholas Park for the use of the Department employees.

The foundation of the old comfort station in the Ramble was removed, and the site filled and graded with new mould.

The roadway pavements of avenues, streets and public places under the jurisdiction of the Department were kept in repair; 1,973 square yards of asphalt wearing surface being laid, and four cubic yards of concrete in foundation for pavement.

The Engineering force were employed in the preparation of surveys, working drawings, estimates of cost, specifications, contract plans, etc. The routine work of tabulation of bids, inspection of materials and work, cement testing, etc., was also carried on.

The trees in the parks and on city streets were pruned, trimmed and cleaned of insects, etc., and all dangerous and dead trees were removed. Owing to weather conditions, the spring planting was not commenced until the latter part of March.

The bridle roads were harrowed and worked with sand and fine gravel.

The laboring, gardening and mechanical forces have been engaged in the repair of park buildings, rolling stock and general maintenance work.

Expenditures on Appropriation Accounts, Quarter Ending March 31, 1909.

Park Board, General Administration—

738.	Salaries	$6,974 92

BOROUGHS OF MANHATTAN AND RICHMOND.

	Administration, Salaries and Wages—	
739.	Commissioner's Office	7,330 48
740.	Office of Superintendent of Parks	2,449 98
741.	Engineer's Office	2,824 60
742.	Office of Superintendent of Supplies and Repairs	1,575 00
743.	General Supplies	151 61
744.	Contingencies	150 00
745.	Telephone, Rental of	.....
	General Maintenance—	
746.	Salaries and Wages, Mechanical Force	24,319 55
	Maintenance of Parks and Boulevards—	
747.	Salaries and Wages	89,600 97
748.	Hired Teams and Carts, Road Machines and Rollers	3,336 00
749.	General Supplies	2,345 32
750.	Forage	4,475 22
751.	Materials for Repairs and Replacements by Departmental Labor	2,597 69
752.	Repairs and Replacements by Contracts or Open Orders	913 32
753.	Apparatus, Machinery, Vehicles, Horses, Equipment, Care and Storage of Same	1,122 17
754.	Fuel	1,976 90
755.	Contingencies	362 42
	Maintenance of Playgrounds, Kindergartens, Bathhouses and Comfort Stations—	
	Salaries and Wages:	
756.	Playgrounds	4,191 19
757.	Bathhouses and Comfort Stations	15,192 59
	Maintenance of Trees in City Streets—	
758.	Salaries and Wages	2,349 35
	Maintenance of Zoological Department—	
759.	Salaries and Wages	3,200 62

	Maintenance of Aquarium—	
762.	Salaries and Wages	6,142 62
764.	General Supplies	210 17
765.	Material for Repairs and Replacements by Departmental Labor	30 06
766.	Repairs and Replacements by Contract or Open Orders	6 00
768.	Fuel and Light	364 85
769.	Contingencies	97 90
	Maintenance of Metropolitan Museum of Art—	
770.	Salaries and Wages	34,061 33
772.	General Supplies	1,031 93
773.	Material for Repairs and Replacements by Departmental Labor	820 80
774.	Fuel	1,822 09
775.	Contingencies	1,283 25
	Maintenance of American Museum of Natural History—	
776.	Salaries and Wages	25,076 78
782.	Fuel	903 80
	Maintenance of Children's School Farm (DeWitt Clinton Park)—	
784.	Salaries and Wages	372 66
785	Apparatus and Supplies	4 52
	Maintenance of Jumel Mansion—	
786.	Salaries and Wages	610 70
791.	Contingencies	102 36
	Total	$250,381 72

Receipts.

Licenses	$6,606 67
Rents	1,698 02
General Fund (Permits, etc.)	3,765 67
Sinking Fund (Vault Permits)	.....
Sundry Receipts	9 43
Interest	29 21

Expenditures on Bond and Corporate Stock Accounts, Quarter Ending March 31, 1909.

C.D.P.		
3.	American Museum of Natural History, Equipping and Furnishing Additions	$5,562 79
14.	Construction of Comfort Station, Madison Square Park	44 35
17.	Construction of Chelsea Park	556 94
22.	Improvement and Construction of Parks, etc	2,715 51
23.	Concreting Bottom of Lakes	4,786 91
24.	Construction, St. Nicholas Park, Between One Hundred and Thirtieth and One Hundred and Thirty-fifth Streets	6 19
26.	Construction, Colonial Park	869 35
27.	Construction, Asphalt Gutters, Central and Riverside Parks	5,291 16
28.	Construction, Manure Pits, Storage Sheds	1,046 25
29.	Construction, John Jay Park	2 68
30.	Construction, High Pressure Water Supply	8,800 17
31.	Construction, Drainage System, Central Park	120 90
33.	Construction, St. Nicholas Park, subtitle No. 1	815 45
34.	Improvement, Harlem River Driveway, subtitle No. 2	167 38
35.	Construction, Riverside Drive Loop, subtitle No. 3	143 00
37.	Construction Drainage, City Hall Park, subtitle No. 4	5,785 31
38.	Construction, Colonial Park, subtitle No. 5	21 98
62.	Metropolitan Museum of Art, Construction of an Extension	82,180 75
63.	Construction and Completion of Extensions	31,028 83
72.	Construction and Repaving of Drives	7,831 33
74.	Pergola Building, DeWitt Clinton Park	114 99
75.	Bulkhead, Speedway	1,058 88
C.L.P.		
8.	New York Public Library Fund	449,351 18

Revenue Bond Funds.

R.D.P.		
4.	Milk Stations in Public Parks	176 52
5.	Caring for Parkways, 1908	4,962 25
6.	Maintenance of Parks, 1908	17,695 73
7.	Maintenance of Playgrounds, etc., 1908	307 53

BOROUGH OF MANHATTAN.

COMMISSIONER OF PUBLIC WORKS.

In accordance with the provisions of section 1546, chapter 466 of the Laws of 1901, I transmit the following report of the transactions of the offices of the Commissioner of Public Works, President of the Borough of Manhattan, for the week ending December 1, 1909:

Public Moneys Received During the Week.

For restoring and repaving pavement, water openings, Special Fund	$1,612 50
For redemption of obstructions seized, General Fund	18 50
For vault permits, Sinking Fund	1,154 68
For shed permits, General Fund	35 00
For sewer connections, General Fund	457 41
For bay window permits, General Fund	1,125 81
For ornamental projection permits, General Fund	404 60

Permits Issued.

Permits to open streets, to make sewer connections	56
Permits to construct street vaults	4
Permits to construct sheds	7
Permits to cross sidewalks	8
Permits for subways, steam mains and various connections	325
Permits for railway construction and repairs	2
Permits to repair sidewalks	72
Permits for sewer connections	4
Permits for sewer repairs	12
Permits for bay windows	44
Permits for ornamental projections	1

Obstructions Removed.

Obstructions removed from various streets and avenues	8
Complaints received and attended to	95
Permits extended	96
Permits revoked	3

Inspection Division, Bureau of Highways.

Complaints received	683
Repairs made	728
Police complaints received	899

Repairs to Sewers.

Linear feet of sewer built	65
Linear feet of sewer cleaned	25,640
Linear feet of sewer examined	27,200
Basins cleaned	272
Basins examined	135
Manhole heads and covers reset	10
Square yards of pavement relaid	35
Basin hoods put in	1
Linear feet of spur pipe laid	1
Basins relieved	10
Manhole covers put on	34
Cubic feet of brickwork built	48
Linear feet of sewer relieved	600
Basin grates put in	4
Linear feet of pipe sewer relieved	9,900
Cart loads of dirt removed	824
Cuts opened and refilled	11

General Office, Commissioner of Public Works.

Orders Nos. 4011 to 4185, inclusive, were issued; 174 requisitions were received and acted upon; 12 schedules, including 115 vouchers, amounting to $57,923.09 were drawn on the Comptroller.

Statement of Laboring Force Employed During the Week Ending December 1, 1909.

Repaving and Renewal of Pavements.	
Mechanics	114
Laborers	158
Teams	4
Carts	98

Roads, Streets and Avenues.	
Mechanics	8
Laborers	72
Teams	22
Carts	12

Sewers, Maintenance, Cleaning, etc.	
Mechanics	81
Laborers	50
Teams	13
Carts	51
Cleaners	90

Cleaning Public Buildings, Baths, etc.	
Mechanics	170
Laborers	122
Carts	24
Bath Attendants	268
Cleaners	236

JOHN CLOUGHEN, Acting President, Borough of Manhattan.

METEOROLOGICAL OBSERVATORY OF THE DEPARTMENT OF PARKS.

Abstract of Registers from Self-recording Instruments for the Week Ending December 11, 1909.

Central Park, The City of New York—Latitude, 40° 45′ 58″ N. Longitude, 73° 57′ 58″ W. Height of Instruments Above the Ground, 53 feet; Above the Sea, 97 feet.

BAROMETER.

DATE. December.	7 a. m. Reduced to Freezing.	2 p. m. Reduced to Freezing.	9 p. m. Reduced to Freezing.	Mean for the Day. Reduced to Freezing.	Maximum. Reduced to Freezing.	Maximum. Time.	Minimum. Reduced to Freezing.	Minimum. Time.
Sunday, 5	29.990	29.924	29.950	29.955	30.000	9 a. m.	29.916	12 p. m.
Monday, 6	29.916	29.926	30.010	29.951	30.010	9 p. m.	29.900	3 p. m.
Tuesday, 7	29.996	29.760	29.500	29.752	30.010	0 a. m.	29.470	7 a. m.
Wednesday, 8	29.700	29.736	29.790	29.742	29.800	12 p. m.	29.560	0 a. m.
Thursday, 9	29.840	29.800	29.870	29.837	29.890	12 p. m.	29.800	0 a. m.
Friday, 10	29.950	29.950	30.060	29.987	30.094	12 p. m.	29.890	0 a. m.
Saturday, 11	30.170	30.220	30.290	30.227	30.320	12 p. m.	30.094	0 a. m.

Mean for the week..... 29.921 inches.
Maximum " at 12 p. m., December 11..... 30.320 "
Minimum " at 7 p. m., December 7..... 29.470 "
Range " ..... .850 inch.

THERMOMETERS.

DATE. December.	7 a. m. Dry Bulb.	7 a. m. Wet Bulb.	2 p. m. Dry Bulb.	2 p. m. Wet Bulb.	9 p. m. Dry Bulb.	9 p. m. Wet Bulb.	Mean. Dry Bulb.	Mean. Wet Bulb.	Maximum. Dry Bulb.	Maximum. Time.	Maximum. Wet Bulb.	Maximum. Time.	Minimum. Dry Bulb.	Minimum. Time.	Minimum. Wet Bulb.	Minimum. Time.	Maximum. In Sun.
Sunday, 5	38	37	51	47	47	45	45.3	43.0	52	3 p. m.	49	4 p. m.	38	8 a. m.	37	8 a. m.	91 1 p. m.
Monday, 6	43	43	53	47	42	41	46.0	43.6	53	2 p. m.	47	2 p. m.	40	12 p. m.	39	12 p. m.	88 2 p. m.
Tuesday, 7	39	38	47	45	49	49	45.0	44.0	51	8 p. m.	51	8 p. m.	36	3 a. m.	36	3 a. m.	52 1 p. m.
Wednesday, 8	37	35	37	35	29	29	34.3	33.0	43	0 a. m.	42	0 a. m.	28	12 p. m.	27	12 p. m.	77 1 p. m.
Thursday, 9	24	23	31	29	28	26	27.6	26.0	32	4 p. m.	31	4 p. m.	23	9 a. m.	22	9 a. m.	69 1 p. m.
Friday, 10	25	23	33	32	30	29	29.3	28.0	33	3 p. m.	33	3 p. m.	25	2 a. m.	23	2 a. m.	69 2 p. m.
Saturday, 11	32	31	35	35	32	31	33.0	32.3	36	1 p. m.	35	1 p. m.	29	0 a. m.	28	0 a. m.	78 11 a. m.

	Dry Bulb.	Wet Bulb.
Mean for the week	37.2 degrees	35.7 degrees.
Maximum " at	2 p. m., Dec. 6. 53 "	at 8 p. m., December 7. 51 "
Minimum " at	9 a. m., Dec. 9. 23 "	at 9 a. m., December 9. 22 "
Range "	30 "	29 "

WIND.

DATE. December.	Direction. 7 a. m.	2 p. m.	9 p. m.	Velocity in Miles. 9 p.m. to 7 a.m.	7 a.m. to 2 p.m.	2 p.m. to 9 p.m.	Distance for the Day.	Force in Pounds per Square Foot. 7 a.m.	2 p.m.	9 p.m.	Max.	Time.
Sunday, 5	WNW	NW	NW	83	62	27	172	0	¾	0	1¼	11.30 a.m.
Monday, 6	WSW	WNW	W	1	48	48	97	0	¼	0	1	1.30 p.m.
Tuesday, 7	N	E	WNW	32	28	46	106	0	0	¼	1½	10.30 p.m.
Wednesday, 8	W	W	WNW	103	92	97	292	½	2	1	4¾	2.40 p.m.
Thursday, 9	WNW	W	W	129	88	75	292	1¼	¼	¾	4¼	8.50 a.m.
Friday, 10	WSW	W	WSW	111	96	79	286	¾	1¾	½	4¼	11.40 a.m.
Saturday, 11	NW	NW	NW	102	76	57	235	¼	¾	0	2½	2.40 a.m.

Distance traveled during the week..... 1,480 miles.
Maximum force during the week..... 4¾ pounds.

DATE. December.	Hygrometer. Force of Vapor. 7 a. m.	2 p. m.	9 p. m.	Mean.	Relative Humidity. 7 a. m.	2 p. m.	9 p. m.	Mean.	Clouds. Clear, 0 Overcast, 10. 7 a. m.	2 p. m.	9 p. m.	Rain and Snow. Depth of Rain and Snow in Inches. Time of Beginning.	Time of Ending.	Duration. h. m.	Amount of Water. in.	Depth of Snow. in.	Ozone. 0 10
Sunday, 5	.207	.270	.273	.250	90	72	84	82	0	0	0	.....	.....	....	....	....	0
Monday, 6	.278	.244	.244	.255	100	60	91	83	8 Cu.	4 Cir.S.	0	.....	.....	....	....	....	0
Tuesday, 7	.216	.273	.348	.279	90	84	100	91	10	10	10	3 p. m.	10 p. m.	7.00	.55	....	0
Wedn'sd'y, 8	.178	.178	.160	.172	80	80	100	86	4 Cir.S.	5 Cir.	0	.....	.....	....	....	....	0
Thursday, 9	.112	.137	.117	.122	87	79	77	81	0	0	0	.....	.....	....	....	....	0
Friday, 10	.100	.168	.149	.139	74	89	89	84	0	3 Cir.	0	.....	.....	....	....	....	0
Saturday, 11	.162	.204	.162	.176	89	100	89	92	0	2 Cu. S.	0	.....	.....	....	....	....	1

Total amount of water for the week..... .55 inch.
Duration for the week..... 7 hrs., 00 mins.

DATE.			7 a. m.	2 p. m.
Sunday,	Dec.	5	Cool, pleasant.	Mild, pleasant.
Monday,	"	6	Cool, cloudy.	Mild, pleasant.
Tuesday,	"	7	Cool, overcast.	Raw, overcast
Wednesday,	"	8	Cool, pleasant.	Cool, pleasant.
Thursday,	"	9	Clear, cold.	Clear, cold.
Friday,	"	10	Clear, cold.	Cold, pleasant.
Saturday,	"	11	Cold, pleasant.	Cold, pleasant.

DANIEL DRAPER, Ph. D., Director.

BOARD OF ESTIMATE AND APPORTIONMENT.

(FINANCIAL MATTERS.)

MINUTES OF SPECIAL MEETING OF BOARD OF ESTIMATE AND APPORTIONMENT, CITY OF NEW YORK, HELD IN ROOM 16, CITY HALL, MONDAY, NOVEMBER 29, 1909.

The Board met in pursuance of the following call:

CITY OF NEW YORK—OFFICE OF THE MAYOR,
November 22, 1909.

In pursuance of section 226 of the Greater New York Charter, the Board of Estimate and Apportionment directs the Mayor to call a meeting of said Board on Monday, November 29, 1909, at 4.30 p. m., and to request the attendance of the Salary Committees of the Justices of the First and Second Departments of the Supreme Court. This special meeting is for the purpose of reconsidering the resolutions passed on Friday, November 19, 1909, increasing the salaries of the Justices in the First and Second Departments, and for the consideration of plans and proposed contract in relation to the municipal building, and for such other matters as the Board may, by unanimous consent, take up.

GEO. B. McCLELLAN, Mayor.
H. A. METZ, Comptroller.
P. F. McGOWAN, President of the Board of Aldermen.
JOHN CLOUGHEN, Acting President, Borough of Manhattan,
THOMAS R. FARRELL, Acting President, Borough of Brooklyn.
JOHN F. MURRAY, President, Borough of The Bronx.
JOSEPH SULLIVAN, Acting President, Borough of Queens.
GEORGE CROMWELL, President, Borough of Richmond.

Present—George B. McClellan, Mayor; Herman A. Metz, Comptroller; Patrick F. McGowan, President, Board of Aldermen; John Cloughen, Acting President, Borough of Manhattan; Bird S. Coler, President, Borough of Brooklyn; John F. Murray, President, Borough of The Bronx; Lawrence Gresser, President, Borough of Queens; George Cromwell, President, Borough of Richmond.

The Mayor, Hon. George B. McClellan, presided.

FINANCIAL MATTERS.

The Chair moved that the vote by which the resolution fixing the compensation of the Justices resident in the First Judicial District, pursuant to section 143, chapter 35, Laws of 1909, was adopted on November 19, 1909, be reconsidered.

Which motion was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Presidents of the Boroughs of Brooklyn, The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—16.

The Chair moved that the vote by which the resolution fixing the compensation of the Justices resident in the Second Judicial District, pursuant to section 26, chapter 35, Laws of 1909, was adopted on November 19, 1909, be reconsidered.

Which motion was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Presidents of the Boroughs of Brooklyn, The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—16.

The Chair then declared the resolutions before the Board, and presented a communication on the subject, signed by all of the Justices of the Supreme Court, Second Department; also communications from the New York County Lawyers' Association, A. H. Eastmond, Michael J. O'Sullivan, George W. Brush, President of the Brooklyn League, and Allan Robinson, President Allied Real Estate Interests, protesting against the proposed increase, which were ordered filed.

The Honorable Francis M. Scott, Justice of the Supreme Court, First Department, addressed the Board at length, and explained his attitude in the matter.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 143, chapter 35 of the Laws of 1909, known as the "Judiciary Law," the Board of Estimate and Apportionment hereby fixes the additional annual compensation, from and after November 30, 1909, of the Justices of the Supreme Court resident in the First Judicial District, at fifteen thousand five hundred dollars ($15,500), to be raised by tax and paid as provided by law.

Which failed of adoption, receiving the following vote.

Affirmative—The Comptroller—3.

Negative—The Mayor, the President of the Board of Aldermen, the Presidents of the Boroughs of Brooklyn, The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—13.

The following resolution was offered:

Resolved, That, pursuant to the provisions of section 26, chapter 35, of the Laws of 1909, known as the "Judiciary Law," the Board of Estimate and Apportionment hereby fixes the additional annual compensation, from and after November 30, 1909, of the Justices of the Supreme Court resident in the Second Judicial District, at fourteen thousand three hundred dollars ($14,300), to be raised by tax and paid as provided by law.

Which failed of adoption, receiving the following vote.

Affirmative—The Comptroller—3.

Negative—The Mayor, the President of the Board of Aldermen, the Presidents of the Boroughs of Brooklyn, The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—13.

In explaining his vote on these resolutions, the Comptroller called attention to the fact that the Legislature has been making provision for higher salaries, and cited as instances the salaries fixed by that body for the Public Service Commission and for the Board of Water Supply Commissioners.

The Secretary presented the following communication from the Deputy and Acting Commissioner of Bridges, requesting the approval of the plans and specifications for the completion of the substructure, erection of the superstructure and the installation of plant, exclusive of the interior finish of the New Municipal Building, together with report of the Select Committee, consisting of the Comptroller and the Chief Engineer of the Board, recommending the approval of said plans:

(On June 25, 1909, this matter was referred to the said Select Committee.)

DEPARTMENT OF BRIDGES, CITY OF NEW YORK,
NOS. 13 TO 21 PARK ROW,
NEW YORK, June 21, 1909.

To the Honorable the Board of Estimate and Apportionment of The City of New York:

GENTLEMEN—Pursuant to the provisions of chapter 670 of the Laws of 1907, authorizing the erection, furnishing and equipment of a Municipal Building at the Manhattan terminal of the New York and Brooklyn Bridge, in The City of New York, I transmit herewith, for approval, plans and specifications for the completion of the substructure, erection of the superstructure and the installation of plant, exclusive of the interior finish, of said building.

A contract has been entered into for the construction of the foundations of this building, and as it is desired to let a contract this summer for the work outlined above, I respectfully request your Honorable Board to authorize me to proceed therewith, the cost of which, as nearly as may be stated at this time, is $7,500,000.

Respectfully,

JOHN H. LITTLE, Deputy and Acting Commissioner.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
November 26, 1909.

To the Honorable the Board of Estimate and Apportionment:

GENTLEMEN—Under date of June 25, 1909, the Deputy and Acting Commissioner of Bridges, pursuant to chapter 670 of the Laws of 1907, transmitted for approval by the Board of Estimate and Apportionment, plans and specifications for the completion of the substructure, erection of the superstructure and the installation of plant, exclusive of the interior finish, of the Municipal Building, on the site bounded by Park row, Centre and Duane streets, in the Borough of Manhattan.

At conferences attended by the architects, a representative of the Department of Bridges, the Chief Engineer of the Board of Estimate and Apportionment and a representative of the Department of Finance, a number of suggestions were made relative to the plans and specifications, and accepted by the Department of Bridges and the architects, all of which, we are informed, are being incorporated in the revised plans and specifications.

Your Committee would recommend, pursuant to chapter 670 of the Laws of 1907, that the Board of Estimate and Apportionment approve the revised plans and specifications for the completion of the substructure, erection of the superstructure and the installation of plant, exclusive of the interior finish, of the New Municipal Building, on the site bounded by Park row, Centre and Duane streets, in the Borough of Manhattan.

Respectfully,

H. A. METZ, Comptroller.
NELSON P. LEWIS, Chief Engineer,
Board of Estimate and Apportionment.

THE CITY OF NEW YORK, DEPARTMENT OF BRIDGES.

NOTICE TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

(*Ordinances, Sections* 510, 511, 516.)

1. Bids or estimates will be received by the Commissioner of Bridges of The City of New York, at the Department of Bridges, No. 21 Park row, Borough of Manhattan, The City of New York, until 2 o'clock p. m....., 1909, for the completion of the substructure, the erection of the superstructure and the installation of plant, exclusive of interior finish, of the Municipal Building.

2. All bids must be inclosed in sealed envelopes, indorsed "Bid for the Completion of the Substructure, the Erection of the Superstructure and the Installation of Plant, exclusive of Interior Finish, of the Municipal Building."

At 2 o'clock p. m. of ....., 1909, the bids will be publicly opened and read by the Commissioner.

3. Bidders are particularly requested to examine the plans, specifications and location of the work before bidding, and they are expressly notified that no deviation from the specifications will be allowed, unless the same has been previously authorized by and written permission therefor obtained from the Commissioner.

4. No bid will be considered which does not adhere strictly to the requirements prescribed herein and on the bidding sheet.

(*Charter, Section* 420.)

5. No bid will be received or considered which is not accompanied by either a certified check upon a State or National Bank of The City of New York, payable to the Comptroller of The City of New York, or money to the amount of five per cent. of the amount of the bond required for the faithful performance of the contract. Such check or money must not be inclosed in the envelope containing the bid, but must be handed to the official of the Department who receives the bids, for examination and approval, before receiving the bid. All such deposits except that of the successful bidder will be returned by the Comptroller to the owners within three days after the contract is awarded. No bid shall be withdrawn pending the award.

(*Charter, Section* 419.)

6. If the successful bidder or bidders within five days after receiving notice of the award, shall not attend at the Department of Bridges, together with the sureties offered by him or them, and execute the contract, and the sureties sign the bond; or if the sureties offered are not approved by the Comptroller and others are not provided by the bidder or bidders acceptable to the Comptroller, the bidder or bidders will be considered as having abandoned his or their bid, and the work will be readvertised and relet until a contract for the same be accepted and executed.

(*Charter, Section* 420.)

7. In the event of such default on the part of the successful bidder or bidders, the deposit made by him or them shall be forfeited to and retained by The City of New York as liquidated damages because of such default. If the contract is duly executed by the bidder or bidders and the sureties for same duly qualify, the amount of the deposit will be returned to him or them.

(*Charter, Section* 419.)

8. No bid will be accepted from or contract awarded to any person who is in arrears to The City of New York, or who is a defaulter, as surety, contractor or otherwise, to The City of New York.

(*Ordinances, Section* 512; *Chapter* 327, *Laws of* 1900; *Charter, Section* 1533.)

9. Each bid or estimate shall contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or other officer of The City of New York, is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise, in, or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true.

(*Ordinances, Sections* 514, 515, 520; *Charter, Section* 419.)

10. Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, with their respective places of business or residence, or of a guaranty or surety company duly authorized by law to act as surety, to the effect that if the contract be awarded to the person or persons making the estimate they will, or it will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if he or they

shall omit or refuse to execute the same, they will, or it will, pay to the Corporation any difference between the sum to which he or they would be entitled on its completion and that which the Corporation may be obliged to pay to the persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in The City of New York, and is worth the amount of the security required for the completion of the contract and stated in the proposals, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; that he has offered himself as surety in good faith, and with an intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be determined by the Comptroller of The City of New York after the award is made and prior to the signing of the contract.

Lump Sum Bid.

11. The price bid must be a lump sum for the entire work as shown on the plans and described in the specifications.

Quantities.

12. Each bidder must calculate all quantities for himself and assume all responsibility therefor.

13. The Contractor will be required to complete the entire work to the satisfaction of the Commissioner, and in accordance with the specifications hereto annexed and the accompanying plans.

(*Ordinances, Section* 520.)

14. Should the Commissioner for any cause authorize a suspension of work, the time of such suspension will be added to the time allowed for completion. Suspension of work by order of the Commissioner shall not be ground for claim for damages by the Contractor nor ground for waiver of the City's claim for damages for non-completion of the work, as above required.

15. The work must be begun within five days of the date of certification of the contract by the Comptroller, and be entirely completed on or before January 1, 1912.

16. The amount of security to guarantee the faithful performance of the work will be two million dollars ($2,000,000).

(*Charter, Section* 419.)

17. The right is reserved by the Commissioner to reject all bids should he deem it in the interest of The City of New York so to do.

Comptroller's Certificate (*Charter, Section* 149).

18. The contract shall not be binding or of any force unless the Comptroller of the City shall indorse thereon his certificate that there remains unexpended and unapplied, as provided in the Greater New York Charter, a balance of the appropriation or fund applicable thereto sufficient to pay the estimated expense of executing this contract, as certified by the officers making the same.

(*Ordinances, Section* 516.)

19. Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, may be obtained upon application therefor at the office of the Commissioner of Bridges, No. 21 Park row, New York City, where the plans, which are made a part of the specifications, may be seen.

JAMES W. STEVENSON, Commissioner of Bridges.

Dated The City of New York, ..., 1909.

Department of Bridges, No. 21 Park row, Manhattan, The City of New York.

(Notice—The attention of bidders is particularly called to the fact that unless their bids are made in conformity with the requirements of the forms of bid and of the contract and specifications, such bids cannot be properly compared and will be thrown out as informal. Any alternative bid or proposition must be made entirely separate and distinct from the regular bid.)

THE CITY OF NEW YORK, DEPARTMENT OF BRIDGES.

BID OR ESTIMATE.

To the Commissioner of Bridges:

For the Completion of the Substructure, the Erection of the Superstructure and the Installation of Plant, exclusive of Interior Finish, of the Municipal Building.

Made this.....day of....., 1909,
by.....residing at.....
by.....residing at.....
by.....residing at.....
by.....residing at.....

The bidder's name and residence must be inserted here, and in case of firms, the name and residence of each and every member of the firm must be inserted.

1. .....
do declare that.....the only person interested in this estimate; and that no other person than is herein named ha any interest in this estimate, or in the contract proposed to be taken.

2. .....further declare that this estimate is made without any connection with any other person or persons making an estimate for the same purpose, and is in all respects fair and without collusion or fraud.

3. .....further declare that no member of the Board of Aldermen, head of a department, chief of a bureau, deputy thereof or clerk therein, or any other officer of The City of New York, is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in this bid or estimate, or in the performance of the contract, work or business to which it relates, or in any portion of the profits thereof.

4. .....further declare that the names of the persons affixed to the consent hereto annexed were written by said persons respectively, and that said persons are householders, freeholders or are officers of a guaranty or surety company authorized by law to become surety in The City of New York.

5. .....ha carefully examined the annexed contract (including the specifications and plans), in the form approved by the Corporation Counsel, and will execute the contract and perform all its terms, covenants and conditions, and will furnish all the work, labor, materials, tools, plant and appliances necessary for the Completion of the Substructure, the Erection of the Superstructure and the Installation of Plant, exclusive of Interior Finish, of the Municipal Building, in accordance with the plans and specifications and the proposed form of contract therefor, to wit:

(a) For furnishing all the work, labor, materials, tools, plant and appliances for all work and construction shown and specified, using hollow tile arches for the floors above the street level and for roofs, for the lump sum of

.....dollars ($.....)

(b) For furnishing all the work, labor, materials, tools, plant and appliances for all work and construction shown and specified, substituting for the hollow tile arches of floors above the street level and for roofs, reinforced concrete slabs, for the lump sum of

.....dollars ($.....)

Note—In case a bid or estimate shall be submitted by or in behalf of any corporation, it must be signed in the name of such corporation by some duly authorized officer or agent thereof, who shall also subscribe his own name and office. If practicable, the seal of the corporation should also be affixed.

Each of the foregoing prices is to cover the cost of all the work, labor, materials, tools, plant and appliances of every description necessary to complete the entire work as specified, all the cost of tests, inspection and models, as hereinafter specified, and the removal of all debris, temporary work or appliances, and of all obstructions necessary to the performance of the work.

Each and every person bidding and named above must sign here.

.....
Residence,.....
.....
Residence,.....
.....
Residence,.....
.....
Residence,.....
Bidder(s) or Estimator(s).

The City, County and State of New York, ss.:

Name(s) of Bidder(s).
.....
.....

being severally duly sworn, say each for himself, that the several matters stated in the above estimate are in all respects true.

Signature(s) of Bidder(s).
.....
.....
.....
.....
.....

Subscribed and sworn to before me, this day of , A. D. 1909.
.....
Notary Public or Commissioner of Deeds.

This affidavit must be made by the person or persons bidding for the contract.

SURETIES' AGREEMENT.

In consideration of the premises, and of one dollar to us and each of us in hand paid by The City of New York, the receipt whereof is hereby acknowledged—

We, the undersigned, jointly and severally, consent and agree that if the contract for which the preceding estimate is made be awarded to the person making the same, we will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and if the said person shall omit or refuse to execute such contract, if so awarded, and give the proper security within five days after written notice that the same is ready for execution, we will pay, without proof of notice or demand, to the said The City of New York, any difference between the sum to which such person or persons would be entitled upon the completion of such contract and the sum which The City of New York may be obliged to pay to the person or persons to whom the contract shall be awarded at any subsequent letting.

In witness whereof, we have hereunto set our hands, this day of one thousand nine hundred and nine.

This consent must be signed by the two sureties, with their places of business or residence added.

.....
Residence.....
.....
Residence.....

The City and State of New York, County of....., ss.:

The above-named , being duly sworn, says that he is a householder or freeholder in The City of New York, and is worth the sum of two million dollars ($2,000,000), over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; being the amount of the security required for the completion of the contract above referred to; that he has offered himself as a surety in good faith, and with an intention to execute the bond required by law, if the contract shall be awarded to the person for whom he consents to become surety.

.....
Subscribed and sworn to before me, this day of , A. D. 1909.
.....
Notary Public or Commissioner of Deeds.

The City and State of New York, County of....., ss.:

The above-named , being duly sworn, says that he is a householder or freeholder in The City of New York, and is worth the sum of two million dollars ($2,000,000), over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; being the amount of the security required for the completion of the contract above referred to; that he has offered himself as a surety in good faith, and with an intention to execute the bond required by law, if the contract shall be awarded to the person for whom he consents to become surety.

.....
Subscribed and sworn to before me this day of , A. D. 1909.
.....
Notary Public or Commissioner of Deeds.

Note—If the surety is a householder but not a freeholder, the word freeholder must be erased. If a freeholder but not a householder, the word householder must be erased. Each of these depositions must be signed by one of the proposed bondsmen and sworn to.

COMMISSIONER'S CONSENT FOR SUBSTITUTION OF SURETY.

I hereby consent that..... be substituted as sure... on the bond of....., Contractor.. for the completion of the substructure, the erection of the superstructure and the installation of plant, exclusive of interior finish, of the Municipal Building, in place of
.....

.....
Commissioner of Bridges.

Dated New York, ..., 1909.

The adequacy and sufficiency of the above-named sureties approved. Dated this day of , 1909.

.....
Comptroller.

THE CITY OF NEW YORK, DEPARTMENT OF BRIDGES, 1909.

CONTRACT FOR THE COMPLETION OF THE SUBSTRUCTURE THE ERECTION OF THE SUPERSTRUCTURE AND THE INSTALLATION OF PLANT, EXCLUSIVE OF INTERIOR FINISH, OF THE MUNICIPAL BUILDING.

Parties.

This agreement, made and entered into this..... day of..... ....., in the year one thousand nine hundred and nine, by and between The City of New York, party of the first part, by the Commissioner of Bridges, pursuant to chapter 670 of the Laws of 1907, and pursuant to the Greater New York Charter, and the acts amendatory thereof, and in addition thereto, and..... .....
contractor (s), party of the second part.

Covenant.

Witnesseth, that the parties to these presents, each in consideration of the agreements on the part and behalf of the other herein contained, have mutually agreed, and hereby mutually agree, the party of the first part for itself and its successors,

and the party of the second part for itself or himself and his executors and administrators, as follows:

Parties Described.

(a) Wherever the words "the City," or a pronoun designating the same appears, the same shall mean The City of New York, acting by or through the Commissioner of Bridges; wherever the word "Commissioner," or a pronoun designating the same appears, it shall mean the Commissioner of Bridges of The City of New York; wherever in this agreement the word "Contractor," or a pronoun in the place of him or them, is used, the same shall mean and intend the party of the second part.

"Architect." "Inspector."

(b) Wherever the word "Architect" or "Architects" is used in this contract or the accompanying specifications, it shall be taken to mean the Architect, or firm of Architects, duly selected by the Commissioner for the Municipal Building. Wherever the word "Inspector" is used, it shall be taken to mean the Inspector detailed by the Commissioner, at the mills, shops, or in the field. Wherever it is provided that anything is to be, or to be done, if or as, or when or where "approved," "required," "directed," "specified," "designated" or "deemed necessary," it shall be taken, unless otherwise expressed, to mean and intend approved, required, directed, specified, designated or deemed necessary, as the case may be, by the Commissioner.

Work Described.

(c) The Contractor will furnish all the labor, plant and materials, at his own cost and expense, necessary or proper for the purpose, and in a good and substantial and workmanlike manner perform the necessary work for the completion of the substructure, the erection of the superstructure and the installation of plant, exclusive of interior finish, of the municipal building, to the satisfaction of the Commissioner and of the Architect, for the price herein agreed upon and determined.

Architect to Decide.

(d) To prevent all disputes and litigations, the Architect shall, in all cases, determine the amount or the quality of the several kinds of work which are to be paid for under this contract, and he shall determine all questions in relation to said work and the construction thereof; and he shall in all cases decide every question which may arise relative to the execution of this contract on the part of the Contractor, and his estimate and decision, subject to the approval of the Commissioner, shall be final, conclusive and binding, and such estimate and decision, in case any question shall arise, shall be a condition precedent to the right of the Contractor to receive any money under this agreement.

Inspectors.

(e) The Commissioner shall be and is hereby authorized to appoint such Inspectors or other persons as he shall deem necessary to inspect the materials and labor furnished and done under this agreement, and to see that the same corresponds with the specifications, plans and drawings, and the terms and intent thereof.

Contractor Responsible for Estimates of Quantities.

(f) Neither the Department of Bridges nor the City is to be held responsible for the estimates of the quantities of materials to be furnished or work to be done. The Contractor has judged for himself as to such estimates as well as to the conditions to be met which will affect both the cost and time required for the execution of the work, and assumes all responsibilities therefor.

Parts of Contract.

(g) All the work, labor and materials to be done and furnished shall be done and furnished strictly pursuant to and in conformity with the specifications and plans herein contained or hereto annexed and numbered for identification, and according to the directions of the Architect, during the progress of the work, and these specifications and plans, together with the proposals for bids or estimates, the bid or estimate and the bond are hereby made and declared a part of this contract.

Instructions and Details.

(h) The Contractor shall build, construct, finish and fully complete the whole of the work in a manner described and shown in the specifications and by the plans and drawings and in accordance with such further details and instructions as the Architect may from time to time furnish or issue for the purpose of insuring the thorough completion of the work in the most efficient manner.

Work of Other Contractors in Connection With This.

(i) If, before the completion of the work contemplated herein, it shall become necessary to do any other or further work than is provided for in this contract, the Contractor will not in any way interfere with or molest such other person or persons as the Commissioner may employ to do such work, and will suspend such part of the work herein specified, or will carry on the same in such manner as may be ordered by the Commissioner, to afford all reasonable facilities for doing such work; and no other damage or claim by the Contractor therefor shall be allowed, except such extension of the time specified in this contract for the performance thereof as the Commissioner may deem reasonable and shall so certify in writing.

Work and Material Must Agree With Specifications.

(j) The work shall be performed in the best manner, and a sufficient number of persons shall be at all times employed to execute the work with due dispatch, the whole to be done to the satisfaction of the Commissioner and the Architect; and all work not done to the satisfaction of the Commissioner and the Architect shall be immediately made good by the Contractor, or if he shall neglect or refuse to remove any rubbish to the place or places and in the manner required by the Architect, or if such work or materials as may be condemned by the Architect be not removed and replaced when notice is given by the Architect, then the Architect may remove or cause the same to be removed or satisfactorily replaced, by contract or otherwise, as he may deem expedient, and charge the expense thereof to the Contractor, and the expense so charged shall be deducted and paid by the City out of such moneys as are or may be due to the Contractor under this agreement.

Modifications.

(k) This contract and the specifications herein contained, and the plans hereafter referred to, may be modified and changed from time to time as may previously be agreed to in writing between the parties hereto, in a manner not materially affecting the substance thereof, or increasing the price to be paid, in order to carry out and complete more fully and perfectly the work herein agreed to be done and performed.

Additional Work. [Charter, Section 419.]

(l) No claim for additional work or materials shall be made by or allowed to the Contractor, unless before the performance of such additional work the Commissioner shall have first authorized the same in writing, and the same shall have been done or furnished under a written order from the Commissioner given before the performance of such additional work or the furnishing of such additional materials. The aggregate price to be paid for additional work or materials so authorized or ordered shall not exceed five per cent. (5%) of the contract price or total cost of the work and materials.

All claims for additional work or materials in any month shall be made to the Commissioner, in writing, before the 15th day of the following month, and failing to make such claim within the time required, the rights of the Contractor to pay for such additional work or materials shall be deemed to have been waived and forfeited.

Specifications and Plans to Be Reconciled.

(M) The specifications and plans and drawings are intended mutually to explain each other, and anything which is shown on the plans and drawings, and not mentioned or referred to in the specifications, or which is referred to in the specifications and not shown on the plans and drawings, shall be considered as being both so shown and mentioned or referred to, and shall be done and performed accordingly, excepting work which is mentioned in the specifications as being excluded from this contract.

Commissioner and Architect to Correct Errors in Specifications and Drawings.

(N) All the work contemplated and described in this contract and in the specifications and drawings shall be done to the satisfaction of the Commissioner and Architect, and the Commissioner shall be final judge as to the fitness of materials, and shall have the right of correcting any errors or omissions in the specifications and drawings, when such correction is necessary for the proper completion of the work herein stipulated and for the proper fulfillment of their intention; the action of such correction to date from the time that due notice thereof is given, it being further understood that such correction shall not increase the price for the work complete as herein agreed upon.

Architect to Explain.

(O) Any doubt as to the meaning of the specifications and drawings, or any obscurity as to the wording of them, will be explained by the Architect, and all directions and explanations requisite or necessary to complete, explain or make definite any of the provisions of the specifications and drawings and give them due effect will be given by the Architect.

Condemned Material.

(P) If the work, or any material brought on the ground for use in the work, or selected for the same, shall be condemned by the Architect as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such material from the work.

Appliances to Be Efficient.

(Q) The Contractor is to use such appliances for the performance of all the operations connected with the work embraced under this contract as will secure a satisfactory quality of work, and a rate of progress, which, in the opinion of the Architect, will secure the completion of the work within the time specified. If at any time before the commencement or during the progress of the work such appliances appear to the Architect to be inefficient or inappropriate for securing the quality of the work required or the said rate of progress, he may order the Contractor to increase their efficiency or to improve their character, and the Contractor must conform to such order; but the failure of the Architect to demand such increase of efficiency or improvement shall not relieve the Contractor from his obligation to secure the quality of work and the rate of progress established in these specifications.

Party of the First Part to Be Protected Against Infringement of Patents. (Charter, Section 1554.)

(R) The Contractor, in the prosecution of the work required under this contract, will employ no patented method of construction nor furnish any appliance, the operation of which is patented, except such methods or appliances as are either owned or controlled by him, and he will hold himself responsible for any claims made against the City for any infringement of patents by the use of patented articles in the construction and completion of the work, and further agrees that the City shall be and is hereby authorized to deduct and retain out of the moneys which may be due or become due to the Contractor under this agreement, a sum sufficient to cover all claims for damages arising from such infringements, and to retain the same until the settlement or other disposition of said claims.

Time of Performance.

(S) The Contractor will begin the work herein agreed to be performed within five days of the date of certification of the contract by the Comptroller of the City. The Contractor will carry on the work with such force and in such manner and order, and at such times and seasons as may be directed by the Commissioner. He will execute all the work, in every respect, in a thorough and workmanlike manner, and entirely complete the contract on or before January 1, 1912.

Suspension of Partial Payments.

No payment will be made for work done or material furnished after the time fixed for the completion of the work, or the time for which the completion may be extended, until the full and final completion of all the work herein agreed upon.

Liquidated Damages.

(T) In case the Contractor shall fail to complete the work hereunder in accordance with the specifications and to the satisfaction of the Commissioner within the time aforesaid, the Contractor shall and will pay to the City the sum of two hundred dollars for each and every calendar day the time consumed in said performance and completion may exceed the time hereinbefore allowed for that purpose; which said sum, in view of the difficulty of ascertaining the loss which the City will suffer by reason of delay in the performance of the work hereunder, is hereby agreed upon, fixed and determined by the parties hereto as the liquidated damages that the City will suffer by reason of said delay and default, and not as a penalty; and the City shall and may deduct and retain the amount of such liquidated damages out of the moneys which may be due or become due to the Contractor under this agreement.

Extension Not a Waiver.

(U) Neither an extension of time, for any reason, beyond the date fixed herein for the completion of the contract, nor the delivery and acceptance of any articles or materials called for by this contract shall be deemed to be a waiver by the Commissioner of the right to abrogate this contract for abandonment or delay in the manner herein provided.

Not to Sublet. (Chapter 444, Laws of 1897.)

(V) The Contractor will give his personal attention constantly to the faithful prosecution of the work; he will not assign, transfer, convey, sublet or otherwise dispose of this contract, or his right, title or interest in or to the same or any part hereof, without the previous consent in writing of the Commissioner indorsed hereon or hereto attached; and he will not assign, by power of attorney or otherwise, any of the moneys to become due and payable under this contract, unless by and with the like consent signified in like manner. If the Contractor shall, without such previous written consent, assign, transfer, convey, sublet or otherwise dispose of this contract, or of his right, title or interest therein, or any of the moneys to become due under this contract, to any other person, company or other corporation, this contract may, at the option of the Commissioner, be revoked and annulled, and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor, and to his assignee or transferee; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors, made pursuant to the statutes of the State of New York; and no right under this contract, or to any money to become due hereunder, shall be asserted against the City, in law or in equity, by reason of any so-called assignment of this contract, or any part thereof, or of any moneys to grow due hereunder, unless authorized as aforesaid by the written consent of the Commissioner.

Commissioner May Suspend Work. (Ordinances, Section 520.)

(W) The Commissioner reserves the right of suspending the whole or any part of the work herein contracted to be done, if he shall deem it for the interest of the City so to do, without compensation to the Contractor for such suspension other than extending the time for completing the work as much as it may have been, in the opinion of the Architect, delayed by such suspension.

Default of Contractor.

(X) If the work to be done under this agreement shall be abandoned by the Contractor, or if this contract shall be assigned or said work sublet by him, otherwise than as herein specified, or if at any time the Architect shall be of opinion and shall so certify in writing to the Commissioner that the performance of the contract is unnecessarily or unreasonably delayed, or that the Contractor is wilfully violating any of the conditions or covenants of this contract, or executing the contract in bad faith, the Commissioner shall have the power to notify the Contractor to discontinue all work or any part thereof under this contract, by a written notice to be served upon the Contractor, either personally or by leaving said notice at his residence or with his agent in charge of the work; and thereupon the Contractor shall discontinue said work or such part thereof as the Commissioner may designate, and the Commissioner shall thereupon have the power to contract for the completion of the work in the manner prescribed by law, and to place such and so many persons and obtain by purchase or hire such animals, carts, wagons, implements and tools and materials as the Commissioner may deem advisable, to work at and to be used to complete the work herein described, or such part thereof as he may deem advisable, and to procure

materials for the completion of the same, and to charge the cost and expense thereof to the Contractor; and the expense so charged shall be deducted and paid by the City out of such moneys as either may be due or may at any time thereafter become due to the Contractor under and by virtue of this agreement or any part thereof; and in case such expense shall exceed the sum which would have been payable under this contract if the same had been completed by the Contractor, then the Contractor will pay the amount of such excess to the City, and in case such expense shall be less than the sum which would have been payable under this contract if the same had been completed by the Contractor, then the Contractor shall forfeit all right to the balance; and when any particular part of the work is being carried on by the Commissioner, by contract or otherwise, under the provisions of this clause of the contract, the Contractor agrees to continue the remainder of the work in conformity with the terms of this agreement, and in such manner as in nowise to hinder or interfere with the persons or workmen employed as above provided by the Commissioner, by contract or otherwise, to do any part of the work, or to complete the same under the provisions of this clause of the contract.

Contractor to Maintain Guards and Lights. (*Ordinances, Section* 519.)

(Y) The Contractor shall place proper guards for the prevention of accidents and shall put up and keep up at night suitable and sufficient lights where necessary, during the delivery of the materials or supplies, or the performance of any part of the work, to prevent accidents or injuries to the person or property of another, and he will indemnify and save harmless the City from all suits or actions and damages or costs of every name and description to which the City may be subjected or put by reason of injury to the person or property of another resulting from negligence or carelessness on the part of the Contractor, his servants or agents, in the delivery of the materials and supplies, or by or on account of any act or omission of the Contractor, his servants or agents, and the whole or so much of the moneys due, or to grow due the Contractor under this agreement, as shall or may be considered necessary by the Comptroller of the City, may, at its option, be retained by the City until all suits or claims for damages shall have been settled or otherwise disposed of, and evidence to that effect furnished to the satisfaction of the Comptroller.

Liens. (*Chapter* 418, *Laws of* 1897; *Chapter* 169, *Laws of* 1898.)

(Z) If at any time before or within thirty days after the whole work herein agreed to be performed has been completed and accepted by the City, any person or persons claiming to have performed any labor or furnished any material toward the performance or completion of this contract shall file with the Department of Bridges and with the Comptroller of the City any such notice or lien as is described in the Lien Law or any lien law of the State of New York, then, and in every case, the City shall retain, anything herein contained to the contrary thereof notwithstanding, from the moneys under its control or due or to grow due under this agreement, so much of such moneys as shall be sufficient to pay off, satisfy and discharge the amount of such notice alleged or claimed to be due to the person or persons filing such notice, together with the reasonable costs of any such action or actions brought to enforce such claims or the lien created by the filing of such notice. The moneys so retained shall be retained by the City until the lien thereon created by the said act and the filing of said notice shall be discharged pursuant to the provisions of the said act.

Price.

(aa) The Contractor shall receive the following prices as full compensation for furnishing all the work, labor, materials, tools, plant and appliances which he has hereinbefore agreed to furnish for the completion of the substructure, the erection of the superstructure and the installation of plant, exclusive of interior finish, of the Municipal Building, and in all respects performing and completing all of the work which he has hereinbefore agreed to perform and complete, to wit:

(a) For furnishing all the work, labor, materials, tools, plant and appliances for all work and construction shown and specified, using hollow tile arches for floors above the street level and for roofs, the lump sum of

..... dollars ($.....)

(b) For furnishing all the work, labor, materials, tools, plant and appliances for all work and construction shown and specified, substituting for the hollow tile arches of floors above the street level and for roofs, reinforced concrete slabs, the lump sum of

..... dollars ($.....)

The above price covers the cost of all work, labor, materials, tools, plant and appliances necessary to complete the entire work, as specified, all the cost of tests, inspection and models, as hereinafter specified, and the removal of all debris, temporary work or appliances, and of all obstructions necessary to the performance of the work.

Progress Payments. (*Ordinances, Section* 518.)

(bb) In order to enable the Contractor to prosecute the work advantageously, the Architect shall, from time to time, as the work progresses, not oftener than once a month, make an estimate of the amount of work done under this contract since the last preceding estimate was made, and of the value thereof, according to the terms of this contract. In the preparation of such estimates, the Architect shall include accepted materials delivered as follows:

Structural steel delivered at the shops 40 per cent. of the value of the material in the completed structure.

Structural steel ready for erection and delivered at the site or at a storage yard in or near New York City 75 per cent. of the value of the material in the completed structure.

Granite ready for erection and delivered at the site or at a storage yard in or near New York City 60 per cent. of the value of the material in the completed structure.

No payment will be made for steel or granite delivered but not erected unless the same is delivered on lands owned or leased by The City of New York, and the title to the steel or granite so delivered and for which a partial payment has been made shall be in The City of New York.

No payment will be made for materials delivered but not erected other than the above.

The schedule of prices upon which partial estimates are to be based will be made by the Architect subject to the approval of the Commissioner.

Upon each such partial estimate being made and signed by the Architect and the Commissioner, and the filing thereof in the office of the Comptroller of the City, ninety (90) per cent. of such estimated value shall be paid to the Contractor until the ten (10) per cent. thus retained and reserved shall have amounted to three hundred and fifty thousand dollars ($350,000). Thereafter the City shall pay the total amount of each subsequent estimate; provided, however, that the City may at all times reserve and retain from said partial payments, or any of them, in addition to the ten per cent. above mentioned, to be retained and reserved such sum or sums as may be lawfully retained under any of the provisions herein contained for that purpose, or under any law of the State or under any ordinance of the Municipal Assembly or Board of Aldermen, or its successors, passed prior to the date of this agreement and now in force.

Final Payment. (*Charter, Section* 422.)

No payment will be made in contravention of the provisions of paragraph S. And whenever, in the opinion of the Architect, the Contractor shall have completely performed this contract on his part, the Architect shall certify the same in writing to the Commissioner, together with his estimate of the whole amount of materials furnished and work done in such performance by the Contractor, and of the value of such work and materials under and according to the terms of the contract. When said certificate shall have been approved and signed by the Commissioner and the same has been filed with the Comptroller, the City will, on or before the expiration of thirty days after such completion and delivery of said certificate, pay, and it hereby binds itself to pay, to the Contractor, in cash, the whole amount of money accruing to the Contractor under this contract, excepting such sum or sums as shall have been paid to the Contractor under any of the foregoing provisions of this contract, and such as may be lawfully retained under any of the provisions of this contract hereinbefore set forth; provided that nothing herein contained be construed to affect the right hereby reserved by the Commissioner to reject the whole or any portion of the aforesaid work, should the said certificates or any of them be known to be inconsistent with the terms of this agreement or otherwise improperly given.

(cc) The payments herein provided for are to be made out of moneys provided for the prosecution of the work of constructing the municipal building by the City, and these presents do not bind the Commissioner or his successors personally; but his actions in the premises are official only and binding the City and the funds specially provided for such purpose, in conformity with the laws under which authority was vested in the Commissioner to proceed with the construction of the municipal building, and pursuant to the Greater New York Charter.

Conditions Precedent.

(dd) The Contractor shall not be entitled to demand or receive payment for the work or materials, or any portion thereof, except in the manner set forth in this agreement, nor unless each and every one of the promises, agreements, stipulations, terms and conditions herein contained on his part to be performed, kept, observed and fulfilled, has been performed, kept, observed and fulfilled, and the Architect shall have given his certificate to that effect.

Estoppel.

(ee) The City shall not, nor shall any department or officer thereof, be precluded or estopped by any return or certificate made or given by the Commissioner, any Architect or other officer, agent or appointee of the City under any provision of this agreement from at any time (either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate) showing the true and correct amount and character of the work done and materials furnished by the Contractor, or any other person under this agreement, or from showing at any time that any such return or certificate is untrue and incorrect, or improperly made in any particular, or that the work and materials, or any part thereof, do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such loss as it may sustain by reason of his failure to comply with the specifications.

Final Certificate.

(ff) The action of the Architect, by which the Contractor is to be bound and concluded according to the terms of this contract, shall be that evidenced by his final certificate, all prior certificates or estimates upon which partial parments may be made being merely estimates, and being made for an amount that shall represent the ratio that the cost of the work done and materials furnished bears to the cost of the total amount of work and materials required by, and to be furnished under the contract, and which estimates are subject to the corrections of such final certificate, which may be made without notice to the Contractor thereof, or of the measurements upon which the same is based.

Character of Employees.

(gg) The Contractor shall employ, upon all parts of the work herein contracted for, only competent and trustworthy men, and should the Architect at any time give notice in writing to the Contractor or his representatives on the work that any employee is insolent, disorderly, careless, unobservant of instructions, dishonest, or in any way a detriment to the satisfactory progress of the work, such employee shall at once be dismissed and not again allowed upon the work; he will have and keep at all times on the work during the progress of the same an expert and reliable formen or superintendent, who shall have on hand at all times copies of drawings, specifications and contract, and all instructions given to such foreman or superintendent shall be deemed as having been given to the Contractor.

(hh) The Contractor shall take proper precautions, under the directions of the Architect, to protect the finished work from injury pending the completion of the entire contract. Such precautions shall not relieve the Contractor from the obligation to make good any damage which may be incurred during construction.

Comptroller's Certificate. (*Charter, Section* 149.)

(ii) This contract shall not be binding or of any force unless the Comptroller of the City shall indorse hereon his certificate that there remains unexpended and unapplied, as provided in the Greater New York Charter, a balance of the appropriation or fund applicable thereto sufficient to pay the estimated expense of executing this contract, as certified by the officers making the same.

Notice to Contractor.

(jj) The residence or place of business given in the bid or estimate upon which this contract is founded is hereby designated as the place where all notices, letters or other communications shall be served, mailed or delivered. Any notice, letter or other communication addressed to the Contractor and delivered at the above named place, or deposited in a post-paid wrapper in any post-office box regularly maintained by the post-office, shall be deemed sufficient service thereof upon the Contractor. The place named may be changed at any time by an instrument in writing, executed and acknowledged by the Contractor and delivered to the Commissioner. Nothing herein contained shall be deemed to preclude or render inoperative service of any notice, letter or other communication upon the Contractor personally.

Permits.

(kk) All permits, of whatever nature, necessary for the prosecution of this work shall be obtained by the Contractor.

Labor Law.

(ll) The Contractor agrees that he will comply with the provisions of the Labor Law. He further agrees that no laborer, workman or mechanic in the employ of the Contractor, subcontractor or other person doing or contracting to do the whole or a part of the work contemplated by the contract shall be permitted or required to work more than eight hours in any one calendar day, except in case of extraordinary emergency, caused by fire, flood or danger to life or property; that the wages to be paid for a legal day's work to all classes of such laborers, workmen or mechanics upon this public work or upon any material to be used thereon shall not be less than the prevailing rate for a day's work in the same trade or occupation in the locality where such public work is being constructed. Each such laborer, workman or mechanic shall receive not less than the prevailing rate of wages. This contract shall be void and of no effect unless the person or corporation making or performing the same shall comply with the provisions of sections 3 and 14 of the Labor Law.

Approval of Art Commission. (*Charter, Section* 637.)

(mm) All works of art, including paintings, mural decorations, stained glass, statues, bas reliefs and other sculpture, monuments, fountains, arches and other structures of a permanent character intended for ornament or commemoration, and every design of the same to be used in the performance of this contract, and the design of all buildings, bridges, approaches, gates, fences, lamps, or structures to be erected pursuant to the terms of this contract shall be submitted to the Art Commission and must be approved by the Art Commission prior to the erection or placing in position of the same. The final payment shall not become due or payable under this contract unless and until the Art Commission shall certify that the design for the work herein contracted for has been approved by the said Commission, and that the same has been executed in substantial accordance with the design so approved, pursuant to chapter 675 of the Laws of 1907.

Guarantee.

(nn) The Contractor shall make good, without cost to the City, any defects due to faults in material or workmanship that may appear in the work or any portion thereof, including machinery, fixtures and appliances, for a term of one year after the issuance of the final estimate. In order to insure this, the City shall retain from the final estimate of the Contractor the sum of $150,000 for a period of one year after the issuance of the final estimate. At the expiration of the said year, after the issuance of the final estimate, the City shall retain from the above amount the following sums for insuring certain classes of work as set forth hereinafter under the specifications accompanying this contract, viz.: Waterproofing work, paragraph 161 of the specifications, the sum of $500 for a period of one year; tile roofs, paragraph 171, the sum of $500 for a period of four years; vault lights, paragraph 323, the sum of $200 for a period of one year; copper work, paragraph 409, the sum of $500 for a period of four years; return line vacuum system, paragraph 546, the sum of $500 for a period of one year; automatic heat control system, paragraph 586, the sum of $1,000 for a period of one year.

If the Contractor fails to make good any defects covered by the above insurance within three days after receiving notice from the Commissioner so to do, the Com-

missioner shall have the power to cause the repairs to be made and to pay the cost thereof out of the amounts retained. At the expiration of the period or periods above named, the Architect shall furnish to the Commissioner a certificate or certificates showing the balance or balances due the Contractor after deducting such sum or sums as may have been expended by the Commissioner for repairs according to the terms of this paragraph. When the said certificate or certificates shall have been approved and signed by the Commissioner and filed with the Comptroller, the City will, on or before the expiration of thirty days after the completion and delivery of said certificate or certificates, pay to the Contractor, in cash, the amount or amounts of the certificate or certificates so filed.

The Contractor shall have the boilers tested and insured as specified in paragraph 456 of the specification.

In witness whereof, the Commissioner of Bridges has hereunto set his hand on behalf of The City of New York, and the Contractor has also hereunto set his hand, the day and year first above written; and the Commissioner and Contractor have executed this agreement in triplicate, one part of which is to remain with the Commissioner, one other to be filed with the Comptroller of the City, and the third to be delivered to the Contractor the day and date herein first above written.

.....
Commissioner of Bridges.

.....

.....

.....
Contractor(s).

The City, County and State of New York, ss.:

On this.....day of....., 1909, before me personally came James W. Stevenson, to me known and known to me to be the Commissioner of Bridges, the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same as such Commissioner for the purposed therein mentioned.

.....
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

On this.....day of....., 1909, before me personally came.....
to me known and known to me to be the.....of the
..... Company, and
.....
to me known and known to me to be the.....
of the..... Company, and who, being by me severally duly sworn, did say, each for himself, as follows:

The said..... that he is the.....of said Company, and the said.....
that he is the.....of said Company; that he knows the corporate seal of said Company; that the seal affixed to the foregoing instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereto signed his name and official designation.

.....
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

On this.....day of....., 1909, before me personally came.....
.....
to me known and known to me to be the same person(s) described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposed therein mentioned.

.....
Notary Public or Commissioner of Deeds.

Know all Men by these Presents, that we, ...
.....
of The City of New York, are held and firmly bound unto The City of New York, in the sum of two million dollars ($2,000,000), lawful money of the United States of America, to be paid to The City of New York, or to its certain attorneys, successors or assigns; for which payment, well and truly to be made, we bind ourselves and our several and respective heirs, executors and administrators, jointly and severally, firmly by these presents.

Sealed with our seals. Dated this.....day of
....., in the year one thousand nine hundred and nine.

Whereas, The above bounden.....
.....
by an instrument in writing, under hand and seal , and bearing even date with these presents, ha contracted with The City of New York to perform all the work and furnish all the materials and plant called for in the preceding contract, for the completion of the substructure, the erection of the superstructure and the installation of plant, exclusive of interior finish, of the Municipal building.

Now, therefore, the conditions of the above obligations are such that if the said above bounden ....., or assigns, shall well and truly, and in a good, sufficient and workmanlike manner, perform the work mentioned in the aforesaid agreement, in accordance with the terms and provisions therein stipulated, and in each and every respect comply with the conditions and covenants therein contained, then this obligation to be void; otherwise to remain in full force and virtue.

..... [L. S.]
..... [L. S.]
..... [L. S.]
..... [L. S.]

The City, County and State of New York, ss.:

On this ..... day of ....., 1909, before me severally and personally came ....., to me known and known to me to be the.....
of the ..... Company, and ..... to me known and known to me to be the ..... of said .....
Company, who, being by me severally duly sworn, did say, each for himself, as follows:

The said ..... that he is the .....
of said Company, and the said ..... that he is the
..... of said Company; that he knows the corporate seal of said Company; that the seal affixed to the foregoing instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereunto signed his name and official designation.

.....,
Notary Public, No. , New York County.

The City, County and State of New York, ss.:

I, ... of said City, being duly sworn, do depose and say, that I am a .....holder in The City of New York, and .....
street, in the City, and that I am worth the sum of two million dollars ($2,000,000), over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this .... day of ....., 1909.

.....,
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

I, ..., of said City, being duly sworn, do depose and say, that I am a .....holder in The City of New York, and .....
street, in the City, and that I am worth the sum of two million dollars ($2,000,000), over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this .... day of ....., 1909.

.....,
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

I, ... of said City, being duly sworn, do depose and say, that I am a .....holder in The City of New York, and .....
street, in the City, and that I am worth the sum of two million dollars ($2,000,000), over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this .... day of ....., 1909.

.....,
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

On this ..... day of ....., 1909, before me severally and personally came ....., to me known and known to me to be the.....
of the ..... Company, and ..... to me known and known to me to be the ..... of said .....
Company, who, being by me severally duly sworn, did say, each for himself, as follows:

The said ..... that he is the .....
of said Company, and the said ..... that he is the
..... of said Company; that he knows the corporate seal of said Company; that the seal affixed to the foregoing instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company, and that by like order he thereunto signed his name and official designation.

.....,
Notary Public, No. , New York County.

The City, County and State of New York, ss.:

I, ... of said City, being duly sworn, do depose and say, that I am a .....holder in The City of New York, and .....
street, in the City, and that I am worth the sum of two million dollars ($2,000,000), over and above all my debts and liabilities, including my liabilities as bail, surety and otherwise, and over and above all my property which is exempt by law from execution.

.....

Subscribed and sworn to before me, this .... day of ....., 1909.

.....,
Notary Public or Commissioner of Deeds.

The City, County and State of New York, ss.:

On this ..... day of ....., 1909, before me personally came ..... to me personally known and known to me to be the same persons described in and who executed the foregoing obligations, and severally acknowledged that they executed the same for the purposes therein mentioned.

.....,
Notary Public or Commissioner of Deeds.

BOND ACCOUNT.

Commissioner's Certificate.

In conformity with the provisions of section 149 of the Greater New York Charter, it is hereby certified that the estimated cost of the work, materials and supplies required by the within contract, amounting to ..... dollars ($.....), is chargeable to the fund of the Department of Bridges, entitled "C-DB-37, Municipal Building, Construction of—Manhattan Terminal of New York and Brooklyn Bridge."

.....,
Commissioner of Bridges.

The City of New York, ..., 1909.

Comptroller's Certificate.

The City of New York, ..., 1909.

In pursuance of the provisions of section 149 of the Greater New York Charter, I hereby certify that there remains unapplied and unexpended a balance of the funds, entitled "C-DB-37, Municipal Building, Construction of—Manhattan Terminal of New York and Brooklyn Bridge," applicable to this contract, sufficient to pay the estimated expense of executing the same, viz.:

..... dollars ($.....).

.....,
Comptroller.

SPECIFICATIONS.

FOR THE COMPLETION OF THE SUBSTRUCTURE, THE ERECTION OF THE SUPERSTRUCTURE AND THE INSTALLATION OF PLANT, EXCLUSIVE OF INTERIOR FINISH, OF THE MUNICIPAL BUILDING AT THE MANHATTAN TERMINAL OF THE NEW YORK AND BROOKLYN BRIDGE IN THE CITY OF NEW YORK.

McKim, Mead & White, Architects, No. 160 Fifth Avenue, New York City.

1. The following stipulations, specifications and descriptions of materials, defined and described as the specifications, are hereby declared and made a part and parcel of the contract made and executed on the..... day of..... 1909, by and between the parties hereto, for the same work or public improvement herein and above described, and which specifications are referred to as such therein.

2. The plans herein referred to bear the general title "City of New York, Department of Bridges, Municipal Building," and are designated by the following numbers, viz.:

Nos. 11 to 40 inclusive, and No. 43—General Plans, Elevations and Sections.
Nos. 101 to 130, Inclusive—Steel Work.
Nos. 200 to 216, Inclusive—Plumbing Work.
Nos. 250 to 269, Inclusive—Heating Work.
Nos. 300 to 306, Inclusive—Electric Work.
Nos. 350 to 356, Inclusive—Details.

GENERAL CONDITIONS.

Materials.

3. All of the materials required to erect the building as shown on the working plans, detail drawings, described by the specifications, and as may be directed by the Architects, shall be the best of their respective kinds, and be furnished in ample quantities to prevent any delay in the progress of the work.

Patents.

4. Whenever and wherever an article of any class of materials is specified by the name of any particular patentee, manufacturer or dealer or by reference to the catalogue of any such manufacturer or dealer, it shall be taken as intending to mean and specify the article or materials described or any other equal thereto in quality, finish and durability, and equally as serviceable for the purpose for which it is or they are intended. Nothing in these specifications shall be interpreted or taken to violate the provisions of section 1554 of the Greater New York Charter, which provides that "except for repairs, no patented pavement shall be laid, and no patented article shall be advertised for, contracted for, or purchased, except under such conditions that there can be a fair and reasonable opportunity for competition, the conditions to secure which shall be prescribed by the Board of Estimate and Apportionment."

Samples.

5. The Contractor shall submit samples of materials and specimens of labor and finish specified for and intended to be used in or on the building to the Architects for approval when required. All material and workmanship furnished for the building shall equal in every respect the sample furnished.

Workmanship.

6. All workmanship shall be of the best, and none but skilled mechanics in the various trades shall be employed on the building. Incompetent, careless or negligent men must be discharged by the Contractor when requested by the Architects. The building shall be in charge of a competent general foreman or superintendent employed by the Contractor, until its completion, unless discharged for cause, in which event he must be replaced by another general foreman satisfactory to the Architects.

Detail Drawings.

7. The Architects will furnish detail drawings of all work, ornamental and otherwise, to be done on the building by the Contractor, but any copies of such detail drawings required shall be made by the Contractor at his own expense.

The detail drawings shall in each case govern in preference to what the general drawings may show for the same work. Any work constructed without these drawings and details, and not in accordance with the same, must be removed and replaced by the Contractor at his own expense.

8. Figured dimensions must always be given preference over dimensions scaled from the drawings, but the Contractor will be required to verify their correctness before beginning the work, and should he find what he considers an error, he must bring it to the attention of the Architects.

Working Drawings.

9. The Contractor shall take measurements at the building and furnish templates for all work and make all necessary shop drawings at his own expense, which he must submit to the Architects for approval before commencing the work. The Architects will correct any errors discovered in them, but failure to discover errors on the Architects' part shall not relieve the Contractor from responsibility. The Contractor shall furnish both the Commissioner and the Architects with three (3) prints of each shop drawing.

Tools, Implements, etc.

10. The Contractor shall furnish all labor and material, and also transportation and sufficient tools, implements, planking, scaffolding, runs, horses, centres, templates, forms, molds, models, derricks, lifts, machines and appliances of every description

necessary or required for executing and completing in the best and most thorough manner all of the work specified herein. He shall construct platforms on the streets over the sidewalks and over Chambers street of width and height as directed, for the handling of material and for the hoisting machinery and derricks for the steel and cut stone work. The platforms shall be used for all purposes except for the storage of material. The platforms shall be sufficiently strong for the loads to be put on them, the supports must be carried down to a firm foundation, and the platforms must be maintained in good condition.

The Contractor shall also furnish for himself all storage yard and docking and unloading facilities.

Plans of Plant to be Submitted.

11. Before beginning the work the Contractor shall submit to the Commissioner and secure his approval of plans of plant and specifications as to methods of construction and handling material which he proposes to adopt in the execution of the contract. The Commissioner's approval of construction plant and method of conducting the work shall in no wise relieve the Contractor of responsibility for their strength, safety and efficiency.

Improper Materials and Labor.

12. All materials or workmanship which in the opinion of the Commissioner or the Architects is not up to the standard of the specifications shall be removed and replaced by the Contractor and all work disturbed by these changes must be made good by the Contractor at his own expense.

Decision of Architects.

13. The decision of the Architects shall be final subject to the approval of the Commissioner upon all questions covering materials and workmanship.

The Architects shall interpret the drawings and specifications and should their intent in any case be not clear to the Contractor he must request the Architects to interpret same and their interpretation shall be binding on the Contractor upon the approval thereof by the Commissioner.

Lines and Levels.

14. All lines and levels necessary for the prosecution of the work will be established by the Department of Bridges. The Contractor shall provide all facilities necessary for establishing the lines and levels and shall take due precaution to preserve all marks and stations established by the Department. All marks destroyed by the Contractor's operations will, when deemed necessary by the Architects, be restored at the Contractor's expense.

Omissions.

15. All the various drawings are intended to co-operate with and to form a part of the specifications and the accompanying contract. All notes, interlineations, details, etc., shown on drawings or details shall be considered as part of and as illustrating the specifications. Anything not shown on the drawings but which is mentioned in the specification, or vice versa, or anything not expressly set forth in either but which is reasonably implied, shall be furnished and performed as though specially shown on the drawings and mentioned in the specifications.

16. It must be understood by the Contractor that should any item of minor importance, such as iron lintel, anchor, bolt, framing, hardware, etc., be omitted from the drawings and specifications but which may be found necessary to complete the work, the same shall be furnished and erected as though specially shown on drawings and mentioned in the specifications at no cost additional to the contract price.

Inspection.

17. Ample facilities shall be furnished at all times to the Commissioner, the Architects and their assistants for inspecting the work in the field, and at the works where materials are in process of manufacture or treatment.

18. The Contractor shall pay the cost of the inspection of the steel at the mills, shops and in the field at the rate of $1.20 per net ton.

Models.

19. The Contractor shall also furnish all models required by the architects, and shall allow the sum of $18,000 for making same. The models shall be made at such times as directed by the Architects, and no models shall be made except by such modelers as are approved by them.

Laying Out Work.

20. All work of every character and description, except as described under paragraph 14, must be laid out on the premises or otherwise by the Contractor, who will be held responsible for its correctness and for any errors he may make.

Watchmen.

21. The Contractor shall maintain his own watchmen, and the care of the building and whatever belongs thereto, and the responsibility for same shall be with the Contractor during the progress and until the completion and delivery of the work to The City of New York.

Toilet.

22. The Contractor shall maintain in a clean and sanitary condition and until the completion of the contract, the temporary watercloset accommodations specified hereinafter.

Water.

23. The Contractor shall make the connection for the temporary water supply as specified under plumbing work, carrying the pipes to the points most convenient for the building operations. The Contractor shall furnish and install in the basement a pump on the main of the temporary water supply and shall operate same as may be required to provide an ample supply of clean water for all purposes during the operations. All labor necessary in handling water, and all barrels, hose, pails, etc., must be furnished by the Contractor, and he shall, in addition, pay for all water used in the building operations. He shall maintain the water supply system and pump in good repair and protect it against freezing and damage of all kinds.

Pumping.

24. The Contractor shall provide all labor, pumps and appurtenances necessary, and shall maintain the excavation free from water during the erection of the building.

Permits.

25. The Contractor shall give all necessary notices, obtain all permits and pay all legal fees. He shall comply with all laws, ordinances or regulations relating to sanitation, streets, sidewalks, water mains, sewers, etc.

The Contractor shall comply with the rules of the New York Board of Fire Underwriters and the Department of Water Supply, Gas and Electricity, and shall deliver their certificates of inspection to the Architects before the final certificate will be issued.

Protection.

26. The Contractor shall protect all work from damage during the construction and until the completion of the contract without further notice from the Architects, and shall provide all boxing, planking and casing necessary for this purpose. He shall close all outside openings during cold weather and until the permanent glazed sashes are put in place. Any work injured because of lack of protection must be made good by the Contractor. The Contractor shall protect the public and the adjacent premises from damage during the building operations, and provide and keep in repair all necessary fences, temporary sidewalks, guards, railings, lanterns, etc., for this purpose.

Responsibility for Damage.

27. The Contractor shall be responsible for any damage done the building and premises, or the public, during the construction of the building, caused by him or his sub-contractors or the carelessness of any of his employees. He shall sustain all loss from any unusual obstructions or difficulties which may be encountered in the construction of the building, or from the action of the elements—such as fire, water, frost and wind.

Tests.

28. All tests of materials, apparatus, etc., which may be necessary in the opinion of the Architects to determine their quality, physical properties and efficiency will be made by persons designated by the Architects and approved by the Commissioner The cost of all tests and all costs incident to same shall be paid by the Contractor.

Freezing Weather.

29. Should cold weather set in before the building is roofed in, and the Architects decide that the masonry and other works cannot be carried on safely, all work shall be stopped until seasonable weather returns, and all walls, floors, etc., recently built must be sufficiently protected by boards, planks, felt or other needed materials, the joints covered or lapped, and all securely nailed and fixed in place.

All work of any kind found to be injured on uncovering must be taken out and replaced with new work.

Rubbish.

30. The Contractor shall maintain the building, premises and adjoining premises free from surplus materials and rubbish of all kinds. All rubbish shall be deposited in barrels and the barrels emptied and the premises cleared of all rubbish daily. Should the Contractor fail to perform this work in a satisfactory manner the Commissioner reserves the right to employ others to properly do so at the Contractor's expense.

On completion of the work, the Contractor shall clean the building and premises to the satisfaction of the Architects, leaving it broom clean.

31. All drawings and tracings shall be the property of The City of New York, and must be delivered to it by the Contractor on the completion of the contract.

Prior Contract.

32. A prior contract on the building includes the excavating to lines and depths indicated on the drawings noted below, the sheet piling around the outside of the excavation, steel sheet piling along the existing subway, temporary sidewalks and inclosing fences on all streets, a temporary roadway for Chambers street, the sinking of all caissons and the building of foundations in same up to certain levels, the building of retaining walls on the west side of the excavation, and the shoring of sewers, streets, etc., and other work, as per Drawings Nos. 7, 8, 9 and 10 and the specifications accompanying same, entitled, "Construction of the Foundations of the Municipal Building."

The Contractor must acquaint himself with the provisions of the above-noted drawings and specifications before estimating, as the foundations and retaining walls must be built up from the levels noted on them to the finished levels required on the general plans, and any additional excavating or refilling necessary to give the floor levels called for on the general plans must be done by the Contractor.

Scope of Work.

33. The Contractor shall take charge of the premises as left under the prior contract described above, and shall assume responsibility for and shall maintain in good condition until the completion of this contract all sheet piling, shoring and bracing of all kinds, the sidewalks on all streets, Chambers street crossing the site, all fences, and also all sewer, water, gas, steam or other piping, mail tubes or electric conduits crossing or entering the site, or fire hydrants and street lights occurring in same.

34. This contract shall include the completion of the building below the street level, excepting certain work in the spaces in the mezzanine and basement levels devoted to the uses of the subway as hereinafter described. The contract shall include also the curbing, street paving, sidewalks, etc., on all streets, and the walls, floors and ceilings of the North and South concourse and Chambers street at street level, and also the completion of the exterior walls of the building above the street level with window frames and glazed sash, all roofs, skylights, etc., and all structural steel work, the floor and roof arches throughout, the strings, risers and rough treads of all stairs above the street level, with all partition work necessary to accommodate same, a certain amount of partition work for the elevator shafts, and such heating, electric wiring, plumbing and other work as is contemplated in the specifications hereinafter contained.

35. All sewers, water, steam and gas mains, electric or telephone conduits and mail tubes crossing or entering the site which serve any neighboring buildings or premises, or any fire hydrants or street lights within the old curb lines shall be maintained by the Contractor without interrupting the service provided by them until they are permanently located as specified hereinafter. He shall shift the position of said sewers, mains, conduits, mail tubes, etc., as the progress of his work may demand, but before such shifting he shall provide, lay and connect new lines of piping with branches, valves and all necessary appliances, equivalent in capacity, service and construction to the pipes that are to be changed, with all shoring, bracing, staging, etc., required, and so conduct the work and so connect the pipes that the services provided by them shall be continued and maintained without interruption.

36. The approval and consent of the various City Departments, the United States Government, the Public Service Commission and any public service corporation having control of the sewers, mains, conduits, mail tubes, etc., must be obtained by the Contractor before any changes in piping are made in accordance with the above.

37. The Contractor shall maintain Chambers street open during the progress of the work and also all sidewalks, keeping in repair the roadway and all sidewalks, and the shoring done under the prior contract described before. In addition, the traffic on all sidewalks, including those of Chambers street and also Chambers street roadway, must be properly protected by overhead platforms, which must be maintained in good condition.

In the performance of the work called for by this contract, the Contractor shall use care not to interrupt the service performed by the street railways on all streets surrounding the site, or the elevated railroad on Park row. To this end he shall furnish any material or labor necessary, even though it be not specifically mentioned herein, and the conduct of any portion of the work near or in connection with the above railways, shall be submitted to and approved by the Architects before the work is started.

38. The Contractor shall shift all shoring, bracing, staging, etc., done under the prior contract, as well as that done under this contract, as the progress of the work may demand.

Omitted Work.

39. In the track space in the basement (bounded on the east and west by the brick walls) the concrete floors and waterproofing, the platforms and the fireproofing of columns, and in general all finished work will be omitted, but laps must be left in the waterproofing done by the Contractor for future connections, and the floor arches over the track space, with the fireproofing of girders and beams, shall be a part of this contract. On the waterproofing course in the buttressed retaining walls at the north and south ends the upper layer of concrete with finish shall be laid out to the inside line of the footing course. In the mezzanine story the spaces which are inclosed by dotted lines on the plan (subway spaces) will not be finished, but the floor arches under and over same, with the fireproofing of all columns, girders, beams, etc., occurring in same, and also the building of the partitions inclosing the spaces, shall be a part of this contract. In addition the construction and finish complete of the mezzanine for heating apparatus under the South Elevator Hall, with all elevator pits, shall be included in this contract.

The sewer in the retaining wall on the west side, shown on drawing No. 216, will be built under the prior contract mentioned before.

40. In the street level all finish will be omitted in the north and south elevator and stair halls, including doors and frames leading from same, but the window frames and glazed sash and window guards shall be a part of this contract. In the North and South concourse and east sidewalk the stairs leading to the subway with cast-iron fascia in the wells, and the railings around same, including that around the ash hoist in the east sidewalk and the iron hood over the east sidewalk stairs, will be omitted, but the ash hoist with covers and the stairs down to the boiler room at this point shall be a part of this contract.

41. Above the street level the work included shall be as specified herein and as shown on the drawings, except that the amount of partition work included in this contract is indicated on the various plans by dotted lines in the partitions.

Permanent Location, Sewers, Water Mains, etc.

42. The ultimate removal and location in their permanent positions of all sewers, water, steam or gas mains and electric or telephone conduits and mail tubes entering

or crossing the site will be done in another contract, but this Contractor shall maintain same, shifting them as the progress of the work may demand, but maintaining the service uninterrupted, as specified before, until such time when they will be permanently located under a contract to be made later.

43. All street lights shown on plans and fire hydrants occurring within the old curb lines shall be located in their permanent positions by this Contractor. The permanent location in each case shall be indicated by the City Department controlling same. Where such Department insists on installing the new work itself, the Contractor shall pay all charges for same made by the Department and shall furnish any necessary incidental labor or material not furnished by the Department. In all other cases the Contractor shall furnish the material and perform all labor necessary in installing the lights or fire hydrants, and shall install same in accordance with the rules and under the direction of the Department having control.

The standards for the street lights shall be of cast iron, standard form, and shall set in cast-steel sockets having webs and top flanges 1¼ inches thick and bottom flanges 1½ inches thick. The lengths of the webs vary, but average 3 feet high. Each steel socket shall be bolted to the steel framing by eight bolts. A molded collar shall be bedded in elastic cement and fastened with tap screws to the socket, just above the seat on the granite curb, and be of sufficient size to project beyond the granite seat. The detail of the cast-steel sockets will be furnished later. The waterproofing must be carried up around the sockets to grade and properly protected.

44. In addition, the Contractor shall build up the two (2) sewer manholes on the west side in common brick laid in Portland cement mortar to the grade or sidewalk arch, and shall furnish and set a heavy cast iron frame and cover for each manhole. When the manhole occurs inside the retaining walls, it must be waterproofed in five-ply to conform to the specifications for waterproofing hereinafter contained, and the waterproofing protected on vertical surfaces by common brick walls and on horizontal surfaces by stone concrete.

45. The Contractor shall build three receiving basins for the surface water as per drawing No. 355. The installations shall include the granite gutter and curb pieces (the granite to match the balance of the curb), wrought iron gratings for the inlets, cast iron frames and covers, ½ inch round iron steps built into the vertical walls, standard cast iron outlet covers over the outlets in each case, concrete, brick and bluestone bottoms, concrete and bluestone inlets from the curbs, cast iron gutter pieces where indicated and the necessary brickwork waterproofed in five-play, all as shown on drawing No. 355. The receiving basins Nos. 1 and 3 shall be connected to the sewer manhole with best quality 12-inch salt glazed, hub jointed, earthenware pipe. The joints shall be made by calking with clean picked oakum and Portland cement mortar and the pipe shall be laid to a proper grade. The manholes and receiving basins shall be built as per the drawing No. 355, and shall conform in all respects to the requirements of the Department having jurisdiction.

The Contractor shall shore up the roof of the subway manhole on the west side, then remove the walls shown on the plan to be removed and cut off all of the roof projecting in beyond the retaining wall. He shall rebuild the jambs in common brick and repair the roof, furnishing any steel framing necessary. All finished work on the subway side shall match the existing work.

Any of the foregoing work which may not be affected by the rules of the Departments or Public Service Commission having control shall be governed by the technical requirements of the various specifications herein contained.

Elevated Railroad Columns.

46. The Contractor shall shore up the elevated railroad column near building column No. 283, and also that over the retaining wall of the boiler and coal storage rooms, after which he shall tear out the foundations of same. After the framing in connection with column No. 283 is finished and the retaining wall for the boiler room built, the Contractor shall cut off the bases of the two (2) elevated railroad columns, splice the columns with steel as may be necessary, with a built-up riveted steel base for the column on the boiler room retaining wall of width equal to the thickness of the retaining wall, and for that near column No. 283 with a similar base made to bear properly on the girder and riveted to same.

All new steel work in connection with the above shall be governed by the requirements for steel hereinafter contained and all connections in the work shall be riveted. The Contractor will be held responsible for the safety of the elevated structure during the performance of the above work, and he must make good any damage to same.

In addition, for nine (9) elevated railroad columns in Park row, the Contractor shall furnish heavy cast iron wheel guards or bases of form and weight to meet the requirements of the Interborough Railroad Company. The guards shall have flanged bottoms resting on the concrete base of the pavement, except for the column on the retaining wall where it must be carried down to the top of the retaining wall. The bases shall be properly bolted together and grouted full with Portland cement mortar, and the grout carried up in the column above the top of the guard and given a proper wash.

Office.

47. The Contractor shall furnish and erect on the site a wind and weatherproof temporary office of sufficient size to include two rooms 10 feet by 15 feet and one room 30 feet by 15 feet, for the use of the Bridge Department and the Architects, in addition to the rooms required by the Contractor. He shall properly light and heat the building when necessary, and shall maintain it in good condition until the completion of the work. He shall install in same in a separate room, which must be lighted and ventilated, temporary toilet accommodations, as specified under "Plumbing Work."

Electric Current for Tests.

48. The Contractor shall furnish at his own cost all electric current required for tests of the lifts, lighting and all other electric devices or those controlled by electricity, the installation of which is contemplated in this contract. Also, he shall provide any temporary lighting necessary for his own convenience in the operations.

Glass Breakage.

49. The Contractor shall be responsible for any breakage of glass furnished under this contract. All broken glass (no matter by whom or what caused) must be replaced by the Contractor before the completion of the contract.

MASON WORK.

Cutting.

50. The Contractor shall do all cutting to accommodate all work and make good after same.

Excavation.

51. The Contractor shall tear out the walls, floors, etc., forming the vaults under the sidewalks of former buildings on the site, and also all existing sidewalk, curbing, paving, sewers, the elevated railroad column foundations specified above, and, in general, any existing work which may interfere with the new work called for on the drawings or in this specification. He shall remove from the premises all materials and rubbish forming the old work and shall plug all sewers, gas and water tight. After the above is done he shall excavate below the levels called for on the foundation drawings Nos. 7, 8, 9 and 10, as may be necessary to accommodate all work shown on the plans. This shall include the trenches for footings for all walls and pits for all column footings shown on the plans (except columns bearing on caissons), trenches for the girders running from column No. 283 at the southeast corner outside of the retaining wall to the columns inside same, for the foundation of column No. 283, the excavating for the foundation work and "Forced Draft" tunnel in the boiler room, for curb walls bearing on the existing subway, trenches required by the plumbing work outside and inside the building, that for sump, manholes, trap, cleanout, lifts, scale and turntable pits, and that for any pipe trenches required by the plumbing and heating work and for foundations of all apparatus. Also it shall include trenches for the drains from receiving basins to the sewer manholes.

52. All excavated material which is clean may, with the Arichtects' approval, be used for the refilling specified herein, otherwise it must be removed from the premises.

53. The Contractor shall sheet-pile around all excavations done under this contract, including the excavations for all vault and retaining walls, column footings, etc., driving the sheet piling down sufficiently deep and providing breast pieces, braces, wedges, etc., to maintain same. When in connection with sheet piling done under the prior contract noted hereinbefore the sheet piling shall be driven inside of same without disturbing it in any way. The sheet piling shall be of spruce and shall be left in position until the foundations are completed. The Contractor shall do all shoring of the elevated railroad columns and subway manhole.

The Contractor shall furnish and drive outside the footings of the retaining wall on the east side, where directed by the Architects, twenty-six (26) linear feet of interlocking steel sheet piling of brand to be approved by the Architects. The sheet piling shall be in lengths not less than ten (10) feet and driven to a level of minus 14 feet 6 inches. This is to safeguard the foundation of the elevated column near column No. 319.

Refilling.

54. After all walls and foundations are built and waterproofing is done, the Contractor shall do the necessary refilling around same to give a base for all finished work, using clean sand watered and tamped and carried up to the underside of the finished work throughout.

55. On the fireproof arches carrying streets and sidewalks and on the existing subway, the Contractor shall fill in with clean sand, except where all concrete filling is indicated on the plans, carrying the filling up to the required heights. Also refill all trenches for pipes outside the building after the pipes are laid to conform to the above. Also after the walls and floors forming the sidewalk vaults of former buildings on the site, together with the rubbish in same have been removed, the Contractor shall fill the holes solidly with clean sand, cinders or other suitable filling to be approved by the Architects, carrying same up to the underside of the finished work. The filling shall be watered and rammed in layers not to exceed 15 inches to avoid settlement. Also, after the curbs are set, the Contractor must repave the streets on all sides up to the new curb line and out, as indicated on the plan of street paving. On Duane street, Park row and Centre street this paving shall be carried out to the tracks of the car line, on Tryon row to the centre line of the old street, and on Duane street to the line of the proposed subway station, with the gore-shaped piece on the northeast. The pavement in every case shall match in kind the existing pavements and shall be laid to conform with the standard specifications of the Bureau of Highways, Borough of Manhattan, but all pavement shall be laid on a 6-inch thick stone concrete bottom. Should the Bureau of Highways insist on doing the work, the Contractor shall pay all charges made by them and furnish any incidental labor or material necessary for completion.

Broken Stone.

56. Broken stone shall be of sound trap rock or limestone, machine broken, well screened, and of sizes as specified hereinafter.

Cinders.

57. All cinders shall be from anthracite burning boilers and be screened and washed free of ash.

Sand.

58. All sand shall be sharp, silicious sand, equal to "Cow Bay" sand, and free from salt, loam or other impurities before mixing with cements.

59. The sand for pointing mortar for cut stone, face, enamel brick and plastering shall be the best quality of white silica sand. Sand shall be screened before using.

Lime.

60. All lime must be of the best quality, freshly burned, of Boyd's Thomaston, Cheshire or Rockland brands, or an equal thereto.

Portland Cement.

61. All Portland cement must have been manufactured at least thirty days prior to shipment. It must stand satisfactorily the following tests:

62. Specific Gravity—The specific gravity of the cement, thoroughly dried at 100 degrees Centigrade, shall not be less than 3.10.

63. Fineness—It shall leave by weight a residue of not more than 8 per cent. on a No. 100 sieve, with 10,000 meshes per square inch, and not more than 25 per cent. on a No. 200 sieve with 40,000 meshes per square inch.

64. Time of Setting—It shall develop initial set in not less than thirty minutes, and shall develop hard set in not less than one hour, nor more than ten hours.

65. Tensile Strength—The minimum requirements for tensile strength for briquettes 1 inch square in section, shall be within the following limits:

Neat Cement.

Age.	Strength.
24 hours in moist air	150 to 200 pounds
7 days (1 day in moist air, 6 days in water)	450 to 550 pounds
28 days (1 day in moist air, 27 days in water)	550 to 650 pounds

One Part Cement, Three Parts Sand.

7 days (1 day in moist air, 6 days in water)	150 to 200 pounds
28 days (1 day in moist air, 27 days in water)	200 to 300 pounds

66 Constancy of Volume—The constancy of volume shall be as per the requirements of the American Society for testing materials.

67. Sulphuric Acid and Magnesia—The cement shall not contain more than 1.75 per cent. of anhydrous sulphuric acid, nor more than 4 per cent. of magnesia.

Non-staining Cement.

68. All non-staning cement shall be of the best quality of H. H. Meier & Co.'s "Puzzolan" or Lafarge cements, or an equal thereto, and it must be tested by making briquettes of neat cement which must stand a test of 120 pounds per square inch one (1) day old, and 350 pounds per square inch seven (7) days old, and when mixed with sand in the proportion of one to three it must stand a test of 200 pounds per square inch in twenty-eight (28) days.

Storage.

69. All lime and cements must be kept under cover and stored on planks or skids raised from the ground.

Mortar.

70. All materials for mortars must be carefully measured in barrels and mixed in proper plank mortar boxes. No mortar shall be mixed on the bare ground.

The cements and sand must be carefully measured and first mixed together dry, water being added gradually.

Lime must be slaked in large wooden boxes and allowed to stand for not less than two (2) weeks before using.

Portland Cement Mortar.

71. Portland cement mortar shall be composed of one part Portland cement to three parts sand.

Non-staining Cement Mortar.

72. Non-staining cement mortar for setting cut stone, ornamental terra-cotta, face and enamel brick, shall be composed of one part non-staining cement, 5 per cent. by volume of lime paste and three parts of sand.

Pointing mortar shall be composed of one (1) part non-staining cement to one (1) part of white sand.

The different mortars shall be used as specified hereinafter.

Concrete.

73. Stone concrete for reinforced concrete floors shall be composed of one (1) part Portland cement, two (2) parts sand and four (4) parts broken stone sized to pass through a ¾-inch ring.

Concrete for use in building up the caissons to the required height shall conform to the foregoing, using a 2-inch stone.

All other stone concrete shall be composed of one (1) part Portland cement, three (3) parts sand and five (5) parts of broken stone, the stone to be sized to pass through a 1-inch ring for floor work and a 2-inch ring for footings and foundation work.

Cinder concrete for filling and reinforced floor work shall be composed of one part Portland cement, two parts sand and five (5) parts of cinders.

Grout shall be mixed in the proportion of one (1) part cement to two (2) parts sand.

Mixing and Setting of Concrete.

74. All concrete must be thoroughly mixed, preferably in a machine mixer. If hand mixed, it must be mixed in a tight box, as follows:

First mix the cement and sand, then add the stone and again turn the mass over, then work thoroughly and rapidly with shovels while water is added. Work the mass until it is thoroughly incorporated.

All concrete shall be a "wet mixture," and after dumping into position it shall be thoroughly puddled.

75. All wood forms and the bracing of same necessary in setting concrete work shall be furnished and set by the Contractor. Where the work is to be exposed in the finished building the wood forms must be dressed. After the forms are removed any voids discovered must be immediately pointed up with mortar mixed in the same proportion as that in the concrete. After which the surface must be washed down with neat cement grout.

Footings.

76. Under all walls built under this contract, lay footing courses of concrete of sizes indicated on the various drawings. They shall be nowhere less than 12 inches thick, nor have a projection of less than 6 inches on each side of the work above.

Also, under all columns, except those carried on caissons, build footings of concrete of sizes indicated on the drawings.

77. All caissons shall be leveled up for grillages and bases, and the grillages and column bases after being set shall be carefully grouted for their full bearings. All grillage beams must be enclosed with wood forms, which shall be at no point less than 6 inches outside the grillages, after which the void spaces between grillage beams and between beams and forms shall be filled in solidly with concrete thoroughly rammed in place and carried up as indicated on the drawings. The cast-iron guards at the foot of the Elevated R. R. columns shall be grouted full with Portland cement mortar in proportion of one to two (1—2).

78. All apparatus furnished under the heating and plumbing work, including filters and the lift motors, shall be provided with proper foundations. The foundations for heating apparatus shall be as specified under heating work.

Concrete footings or bottoms required under receiving or catch basins, manholes, fire hydrants and street lights shall be of such thickness as are required by the Department having jurisdiction.

Concrete Walls.

79. The retaining walls on the west side built under the prior contract shall be be built up of stone concrete to receive the waterproofing, and after the waterproofing is done, the concrete floors shall be laid on same to conform to the drawings.

80. All retaining or vault walls shown on the drawings, including that at the southwest separating the track space and apparatus room, shall be built of stone concrete. This includes walls to carry the curb on the existing subway and elsewhere where required, and foundations under all stone steps outside the building walls and also foundations for the colonnade on Centre street.

Preparation for Waterproofing.

81. All surfaces to be waterproofed, except brick walls, shall be given a floated coat of Portland cement mortar to receive the waterproofing and after same is done another coat before new work is applied.

Basement Floor.

82. Under the boiler room build the deep concrete floor with footings for the retaining wall and columns as shown on the drawings, carrying the concrete up to receive the waterproofing. This deep floor construction shall be carried along the southeast wall to a point about 5 feet south of columns Nos. 356 and 367, up to a cold storage room and along the northeast wall of same to the back line of the blow-off trench of the future boilers.

The reinforcing steel rods shown on the foundation plan shall be furnished and built in the footings of the boiler room wall.

Elsewhere throughout the basement, except the track space, but including the pump pit on the west side, lay concrete of thickness indicated, but which in no case shall be less than 6 inches thick, and level up to receive the waterproofing.

83. After the waterproofing is done, build up in concrete over the spaces specified above to give the finished levels indicated on the various drawings, finishing with a 1-inch coat of mortar composed of one part Portland cement, one part sand and one part graded grit floated on and troweled to a smooth, hard surface and marked off in squares of from 2 to 4 feet. In the cold storage room the spaces in the boiler room between, back of and at each end of the boilers, and the pump pit on the west side, the finished floor shall be of paving brick as specified hereinafter, and the Contractor shall allow 2 inches for bedding same. Also, on the waterproofing of the footing courses of the buttressed retaining walls at the north and south ends of the track space lay 6 inches of concrete finished with a 1-inch coat of mortar as specified above.

84. The pit in the boiler room shall be built with a 6-inch underlayer of concrete waterproofed, followed by an upper concrete floor to match that in the boiler room. The side walls shall be 4 inches of common brick waterproofed, followed by 12-inch concrete walls and steps, finishing to match the floor with a neat coping worked on the walls. Build in the steps one width of steel lead-filled safety tread with nosing and iron anchors.

Set in the boiler room floor the railway tracks and cast-iron tile specified under heating work.

The basement floor shall be graded to drain where required.

Other Concrete Work.

85. On all fireproof arches carrying sidewalks, streets and spaces outside the building walls level up with stone concrete to receive the waterproofing, grading it where practicable. After the waterproofing is done lay concrete over the entire areas of thicknesses indicated on the various drawings, but of minimum thickness of 4 inches.

In addition lay 6 inches of stone concrete over all sidewalk and brick paved spaces, including the stone borders in same and also over all street spaces. For use under wood block pavements the stone in the concrete shall be graded from ½ inch to 2½ inches. The above work shall be graded as will be directed. Where granolithic is specified all concrete work above the waterproofing is specified under granolithic work.

Fill in with stone concrete under the tile floor in the Engineer's toilet.

86. On roofs finished in tile fill in with cinder concrete graded as required and finish with a ¾-inch floated coat of Portland cement mortar.

87. Fill in with stone concrete on the floor arches of the twenty-fifth story to form the main gutter and also fill in back of the main cornice as shown on detail, furnishing any wood forms required and finishing with a 1-inch coat of Portland cement mortar to receive the waterproofing carried out to the cheneaux.

Granolithic Work—General.

88. All concrete for use in granolithic work shall be made as specified before and shall be furnished by the Contractor from the floor arch and waterproofing up. It shall be of thicknesses indicated on the plans, but of a minimum thickness of 4 inches.

89—All granolithic shall be at least 1 inch thick, made to bond with the base concrete and shall be composed of one part Portland cement, one part pure quartz sand and one part grit crushed from good, sound granite and graded from No. 5 to No. 3 size. It shall be mixed to a stiff mortar, be floated on and troweled to a smooth, even surface. A dryer of two parts cement and one part sand shall be sprinkled over the surface and troweled in. The granolithic shall be marked off in squares of from 2 to 4 feet, and the surfaces shall be graded as indicated or required. The finished granolithic must be laid in all cases before the base concrete has set. Neat copings must be worked on free edges and a sanitary base 6 inches high must be run in interior spaces above the street level and in all spaces having enameled brick walls.

The granolithic work must be protected after laying with heavy building paper, planking, etc., and left in perfect condition upon the completion of the contract.

Where Used.

90. The entire mezzanine story, including the mezzanine floor in same for heating apparatus under the south elevator hall, and the elevator pits, and also the floors having levels different from the main floor, excepting the subway spaces enclosed by dotted lines, and except the Engineer's toilet, all sidewalks except where paving brick is indicated, the north and south concourse floors at street level, the two (2) air intake rooms in the fourth floor including the unfinished space in the northerly room with sill in the opening, the floors of the tank rooms on the fourteenth, twenty-sixth and thirty-fifth floors, the floor of the elevator machine room on the thirty-ninth story, and the pit of the tower elevator, shall be finished in granolithic on a stone concrete base to conform to the foregoing requirements. The north and south concourse floors at street level shall be laid in a pattern as indicated, in two (2) colors, using only mineral matter in coloring.

Paving Brick.

91. All paving brick shall be the best quality of vitrified beveled or rounded edge brick, regular size, of color and type to be selected by the Architects. They shall be laid on edge herringbone, except where patterns are indicated on the plans, in a 2-inch bed of Portland cement mortar, and after laying the joints shall be thoroughly grouted with Portland cement grout and the surfaces cleaned off immediately after grouting. All special forms required in patterns must be provided by the Contractor and he shall do all grading required. All surfaces at the street level indicated on the drawings must be paved in brick laid to pattern to conform to the foregoing, and in addition the floor of the coal storage room and the spaces back, between and at each end of the boilers in the boiler room and the pump pit on the west side shall be so paved, the paving to be carried southerly on the line of the boilers to the pit.

Face Brick.

92. The inside of the east parapet walls on the twenty-sixth floor and on the returns of same to the tower, and in the inside of the cheneau on the main cornice shall be faced from the flashing to the top with the best quality of light colored, hard-burned, repressed mud brick, to be selected by the Architects. It shall be laid regular face, clip bond, in non-staining cement mortar, and the joints raked out and pointed with the pointing mortar specified before.

Enameled Brick.

93. Enameled brick shall be the best quality of white enamel brick, American size. It shall be laid in non-staining cement mortar and be anchored to the backing by galvanized iron ties 12 inches apart in every fifth course. All corners shall be bull-nosed and all angles coved. Arches shall be provided of specially made radial brick over openings with soffits and jambs carried in to frames.

94. The pump pit walls (west side of basement), all walls in the basement west of the track space, including columns and piers in same, the walls of the two (2) lift shafts up to street level, the walls of the air chambers in the mezzanine story at the foot of the two (2) air downtakes, the elevator shafts up to street level, the two (2) vent shafts from subway to street level, the walls of the stair well from street to boiler room down to the first landing, the two (2) air downtake shafts up to the fourth story, and the walls of the two (2) air intake rooms in the fourth story, shall be faced from 1 inch below floor levels to ceilings with enamel brick to conform to the foregoing. In addition the foundations of all pumps and motors and other apparatus specified under plumbing work and the lift foundations shall be faced with enamel brick as specified above. All isolated columns occuring in the spaces shall be faced with brick to match the walls. Provide all soap and special form brick required in the work.

Common Brick.

95. All brickwork necessary to the completion shown or implied on the drawings and details other than that specified before shall be the best quality of hard-burned brick of good even color, square, well shaped and free from checked, swollen or refuse brick or bats. This shall include the backing of all enamel and face brick and cut stonework, all interior walls indicated to be of brick, the walls and floor of the forced draught tunnel under the boilers, the walls of the smoke connection in the mezzanine story. It shall include also piers under soil and waste lines at 10-foot intervals, of sizes indicated on the plumbing plans, foundations for the lift motors, and for all motors, pumps and apparatus specified under plumbing work, all sewer manhole shafts and receiving basins, and the building up to the required height of the existing subway manhole. Also it shall include the building of any brick boxes for street lights or fire hydrants.

96. The backing and face of all cut stone, ornamental terra cotta and enamel and face brick shall be laid up in non-staining cement mortar. All other brickwork shall be laid up in Portland cement mortar.

97. All bricks must be well wet before laying, and be carefully bedded and bonded with level, close and completely flushed joints without interstices. Every sixth course shall be a heading course, and all joints in brickwork which will be exposed to view in the completed building must be neatly struck.

98. Back up all cut stone as soon as set and set all brickwork to a line on both sides with jambs and angles plumb and true. Fill the voids in terra-cotta work solidly, using brick and mortar

99. Make offsets in walls at the level of the nearest tier of beams. Encase structural steel columns from floor to ceilings where shown on the plans, and fill in the void spaces in same with brick and mortar. Build any corbel courses required to accommodate reinforced concrete work

100. Build or cut all chases, slots or recesses required for heating and ventilating flues, steam and plumbing pipes and electric conduits, and block the chases 1 foot high at top and bottom in each story.

101. Back up with 8 inches of brick, all cast iron panel work in exterior walls. Turn arches over openings in walls for piping of all kinds and duct work, setting iron collars and filling in solidly around same.

102. Brace all walls in the most secure manner during erection. Set window sills with open joints on the underside and point up same on completion of the work.

Build in all beams, lintels, wall bonds, ties, wall and cut stone anchors, etc., as the work progresses.

103. Build walls to protect all vertical waterproofing work. Where they are shown to be on the outside they shall be 4 inches thick; on the inside, 8 inches thick.

Build a tongue and groove course in walls to accommodate the damp-proof course.

Anchor all walls to the structural steel columns at 6-foot intervals, using ⅜-inch by 1¼-inch anchors built 8 inches in the brickwork and turned up 4 inches at ends.

104. Build recesses under windows and for radiators where required.

Also build in all flashings, and where necessary cut 2-inch deep raglets to receive same.

Carefully cover and protect the walls while not working on them and during stormy or very warm weather with tarpaulins, boards, etc.

Arches.

105. The Contractor shall turn arches in common brick over all openings in walls throughout the building, and wherever in the opinion of the Architects an arch is required for good construction, allowing one (1) course of rowlocks to each 18 inches or fraction thereof of span. Turn 8-inch rowlock arches over the forced draft tunnel under the boiler room floor. Also, where required, turn segmental arches between members forming girders and build up solidly between same in brickwork to receive the walls.

Pits and Trenches.

106. Pits and trenches in the basement shall be constructed with 6-inch concrete bottoms and 4-inch brick side walls to receive the waterproofing, and after the waterproofing is done, finished bottoms shall be laid in same of concrete 11 inches thick, with a 1-inch finished coat of Portland cement mortar to match the basement floor, and 8-inch thick finished walls built of brick or concrete carried up to the finished floor. They shall be of sizes required for the work enclosed by them and shall be graded where required.

Build pits to conform to the above for the two (2) lifts, two (2) sumps, the scale and turntable, in the boiler room, all manhole, trap and cleanout pits required for the plumbing work and any pits required for the heating work.

107. Build all pipe trenches to conform to the above required for the heating and plumbing work, including the boiler blow-off trenches and a trench for future use in the pump room.

Cast-iron frames and covers for the pits and trenches shall be provided and set, as specified under "Miscellaneous Iron Work."

108. In floors or spaces above the basement finished under this contract, build trenches of common brick, as may be required, for the heating and plumbing work. They shall be covered with slate, as specified hereinafter.

Building in Work.

109. The Contractor shall build in as the mason work progresses all fixtures required.

Ironwork.

110. All anchors, ties, bonds and other metal work, etc., shall be provided as specified in the "Miscellaneous Iron Work," and set by the Contractor.

Cleaning and Pointing.

111. The Contractor shall rake out the joints of all enameled and face brickwork and point up same, using the pointing mortar specified before. All walls shall be cleaned and left in perfect condition on the completion of the contract.

WOOD BLOCK PAVEMENT.

Kind and Grade of Wood.

112. The wood blocks shall be of either Southern long leaf yellow pine or Southern black gum, and shall be subject to inspection at the works in the stick before being sawed into blocks.

Yellow pine blocks shall be cut from what is known as prime timber, as defined by the Inter-State Rules of 1905, namely, all lumber must be sound, commercial, long leaf yellow pine, well manufactured, full size and saw butted, and shall be free from the following defects: Unsound, loose and hollow knots, worm holes and knot holes; through shakes or round shakes that show on the surface, shall be square edge, and shall show two-thirds heart on both sides.

Black gum blocks shall be cut from timber that is first class in every respect, and shall be of the same grade as that defined for yellow pine.

Size of Blocks.

113. The paving blocks cut from the lumber above specified shall be well manufactured, truly rectangular and of uniform dimensions, and their depth parallel to the fibre shall be 4 inches; their length shall be 8 inches, and their width shall be 3 inches. No variations of the above dimensions to exceed 1-16 of an inch in width or depth or 1 inch in length.

Treatment of Blocks and Absorption Test.

114. The blocks shall be so treated with the oil herein described that the pine blocks shall contain not less than twenty and the gum blocks not less than twenty-two pounds per cubic foot.

After treatment the blocks shall show such waterproof qualities that after being dried in an oven at a temperature of 100 degrees for a period of twenty-four hours, weighed and then immersed in clear water for a period of twenty-four hours and again weighed, the gain in weight is not to be more than 3½ per cent. for pine blocks and 4½ for gum blocks.

Character of Oil.

115. The oil with which the blocks are to be treated shall be a stable antiseptic and waterproofing oil from which the water has been removed by distillation, and which shall have a specific gravity of not less than 1.12 at 38 degrees centigrade.

When distilled in the manner hereinafter described, the oil shall lose not more than 35 per cent. up to a temperature of 315 degrees centigrade. The distillate between 255 degrees centigrade and 315 degrees centigrade shall have a specific gravity not less than 1.02, the said specific gravity being taken at a temperature of 60 degrees centigrade.

Method of Testing Oil.

116. The method of testing the oil shall be as follows: One hundred grams of oil are weighed out into a glass retort, preferably made of Jena glass, having a capacity to bend of neck of 250 cc. A condensing tube, air-cooled, is attached to the retort of such length that the total distance from the tubulure to the end of the condensing tube shall be approximately 60 cm. The tubulure is fitted with a cork through which a nitrogen filled thermometer registering to 400 degrees centigrade and about 40 cm. in length, is inserted in such a manner that the bottom of the bulb shall be not less than one-half inch above the liquid at the time distillation commences. The first reading of the emergent stem of the thermometer shall be not less than 80 degrees and no correction is made for the emergent stem. The distillation is made in a place free from draughts and the retort is heated by the direct flame of an adjustable burner. The oil is warmed cautiously until any water that may be present is expelled. If water is present, the amount is reported separately, all results being calculated on a dry oil basis. The flame is then regulated in such a manner that the rate of distillation shall continuously be not slower than one drop per second, and not faster than two drops per second. The distillates are collected in weighed Erlenmeyer flasks. The specific gravity of the fraction boiling from 255 degrees—315 degrees centigrade is determined by means of a specific gravity bottle having a capacity of about 10 cc. The oil previously warmed is poured into the bottle, which is then placed in a thermostat kept at 60 degrees centigrade for one-half hour. The stopper is then inserted, the excess of oil wiped off and after cooling the weight is obtained. This weight is compared with the weight of water at 60 degrees centigrade which the same bottle contains.

117. The Contractor shall include in his bid and shall pay the cost of inspecting the lumber to be used for the blocks, the cost of inspecting the treatment of the blocks and the cost of tests. The Inspector for lumber and for the treatment of the blocks shall receive $8 per day and necessary traveling and hotel expenses for the time that he is employed inspecting.

Work to be Done.

118. On the concrete bed provided as specified hereinbefore in Chambers street, from the line of the curb on Centre street to the line of the extreme easterly curb, the Contractor shall pave with wood blocks made to conform to the foregoing requirements. The pavement shall be laid on a bed of Portland cement mortar not less than one-half (½) inch thick, composed of a slow-setting Portland cement and clean sharp sand in the proportion of one to four; the mortar top shall be struck to a true surface exactly parallel with the top of the finished pavement and the required distance below same.

119. Before laying the mortar bed the Contractor shall set strips of wood four (4) inches wide by one-quarter (¼) inch thick, or strips of steel four (4) inches wide by not less than one-eighth (⅛) inch thick, and of the greatest length convenient for handling. These strips shall be carefully set parallel and about eight (8) or ten (10) feet apart, running from curb to curb, and be imbedded in mortar throughout their length so that the top surface shall be three and one-half (3½) inches below and parallel to the grade of the finished pavement. The space between two strips having been filled with mortar, a true and even top surface shall be struck by using an iron-shod straight edge on the strips as a guide, and as soon as the bed has been struck, the strip which would interfere with laying the block shall be removed and its place carefully filled with mortar with a trowel.

120. On this mortar bed spread and smoothed as specified above to the proper crown and grade, the blocks shall be laid with the grain vertical and at such an angle with the curb as the Architects may direct. They shall be laid in parallel courses with as tight joints as possible, each block being firmly bedded in the mortar bed so as form a true and even surface. A one-half inch paving expension joint shall be used along each curb and across the street every one hundred feet.

121. The joints shall then be filled with cement grout composed of two parts clean sand and one part of Portland cement, mixed to a liquid form, and the surface of the block shall be slushed with same and the joints swept until they are completely filled.

122. Nothing but whole blocks shall be used except in starting a course or in such other cases as shall be specially permitted by the Architects, and in no case shall less than one-third of a block be used in breaking joints. Closures shall be carefully cut and trimmed by experienced men, the portion of the block to be used shall be free from check or fracture and the cut end shall have a surface normal to the top of the block and be cut at the proper angle to give a close, tight joint.

123. Each course of blocks shall be of uniform width and depth with all joints close and the end joints broken by a lap of at least four (4) inches, and, while laying, the pavers must stand on those already laid. Any lack of uniformity in the surface or unevenness in the blocks must be immediately corrected by taking up and relaying the blocks, the blocks fractured or broken shall be replaced with perfect ones before any sand is spread over the surface.

124. When laid, the blocks shall be covered with one-half (½) inch of clean, fine sand, entirely free from loam or earthy matter, perfectly dry and screened through a sieve having not less than twenty (20) meshes per linear inch, the sand to be left on the surface until such time when directed by the Architects the pavement shall be swept clean for final inspection and any defects then noted shall be remedied.

125. On the line of the east and west curbs across the street furnish and set heading stones at least three (3) feet long, one (1) foot deep and not less than four and one-half (4½) inches thick, setting then on a concrete bed nine (9) inches wide and six (6) inches deep. These heading stones shall be of good sound bluestone, free from lamination or seam, dressed square on top to a good surface and free from irregularities. The above stones shall form the junction between the wood block pavement and the pavements on the other streets.

126. The Contractor shall so conduct the above paving work as to not interrupt in any way the service performed by the Street Railway Company.

FIREPROOFING WORK.

Reinforced Concrete Work, General Requirements.

127. All sand, cement, broken stone, concrete and concrete mixing shall be governed by the requirements specified under materials in mason work. All reinforcing steel shall be furnished by the Contractor and shall be medium steel to meet the requirements specified herein under structural steel. All work at the street level and below same, the fireproofing of all large girders, trusses, etc., above the street level, all slabs above the street level which carry masonry walls, the circular roof over the boiler flue in the twenty-fifth floor and the pit of the tower elevator shall be of stone concrete. Elsewhere above the street level reinforced concrete work, if used, shall be governed by the following requirements: Slabs of six feet span or under may be of cinder concrete, slabs over six feet span shall be of stone concrete.

128. The slabs shall be reinforced to carry the following live loads plus the dead loads:

North and south concourse floors	120 pounds per square foot
Mezzanine floor	90 pounds per square foot
Typical floors	75 pounds per square foot
Roofs	50 pounds per square foot
Streets and sidewalks	300 pounds per square foot

Where the slabs carry masonry walls they must be of such thickness and have such reinforcement as shall be found necessary to fit each case.

129. The Contractor shall furnish complete working drawings of the proposed work for the approval of the Architects.

130. The minimum thickness of concrete surrounding reinforcing steel members ¼ inch or less in diameter shall be 1 inch; for members heavier than ¼ inch the minimum thickness of projecting concrete shall be four diameters.

131. Voids or stone pockets discovered in concrete work which is to be exposed in the finished building when the forms or centres are removed shall be immediately filled with mortar mixed in same proportions as that in the concrete.

Work in floor and roof slabs shall never be stopped in a horizontal plane, but always in the vertical and always parallel with the reinforcing steel.

The slabs shall be graded as per the drawings.

132. All beams and girders projecting below the soffits of the slabs, including those under vault lights, shall be protected by concrete of a minimum thickness of 2 inches (except the large girders and trusses, which are specially detailed and specified later). The beam and girder protection shall be reinforced by steel members clasping the flanges with vertical rods extended up and spaced not over 16 inches apart, the vertical members to be locked over the slab reinforcement. The reinforcement for beam and girder protection shall weigh not less than one-half pound per linear foot, and the concrete shall finish with square corners and vertical sides where required.

133. Where hung ceilings are indicated on the drawings, including the two fresh air chambers in the mezzanine story, the Contractor shall furnish and build in hangers, to which the furring may be attached later. They shall be of ¼ inch by 1¼ inch iron and be spaced at not over 5 foot intervals, except for the fresh air chamber ceilings, where they shall be spaced as required by the book tile ceiling. The ends of the hangers shall be bent cold around the flanges of the beams and one portion shall hang free below the concrete on the underside of the beam and under the centre of same, the free end to be punched to receive members carrying the ceilings. The hangers shall project not more than 3 inches below the concrete protection on the beam flanges.

The hangers must be dipped by the Contractor twice before setting in paint to conform to that specified herein for Structural Steel.

Tests.

134. Wherever required by the Architects, the reinforced concrete slabs shall be tested by the Contractor to three times the live loads specified before, and any spans failing under such test shall be cut out and rebuilt.

Centres, Forms, etc.

135. All wood centres and wood forms and supports for same, and in general all woodwork necessary to the completion of the reinforced concrete work shall be furnished and set by the Contractor.

Centres must be strong enough to carry the dead loads in every case without deflection.

The centres or forms next to concrete work which is to be exposed in the finished building shall be dressed and tight, to prevent the loss of mortar.

Forms must be braced so that the operations will not throw them out of place. Forms shall be cleaned before reusing.

Cutting.

136. The Contractor shall do all cutting necessary to accommodate all work and patch and make good after same.

He shall build the work to accommodate all piping and duct work passing through same, providing any steel framing and sleeves required around such piping or duct work. This shall include piping and the mail chutes to be set under a future contract.

Work to Be Done.

137. The entire street level floor, including Chambers street, all sidewalks and other spaces outside the building walls, and arches to form the sidewalk on the west side to replace the present subway ventilator, the entire mezzanine floor, including elevator pits and the mezzanine floor for heating apparatus under the south entrance hall, the platform and stair landing in the boiler room and the floor over the pump pit in the west side of the basement, shall be built of reinforced stone concrete to conform to the foregoing requirements, with all beams and girders projecting below the slabs fireproofed. Also, where the exterior walls of the building above the street level are carried on the fireproof arch, such arches shall be of reinforced stone concrete. In addition, the circular roof over the boiler flue in the twenty-fifth floor and the pit of the tower elevator shall be of reinforced stone concrete, to conform to the foregoing.

Girder Protection.

138. All large, deep girders, trusses and the bracing of same below the street level, and also those occurring above the street level, shall be protected with stone concrete on all sides, as per the typical detail for fireproofing of girders and trusses, the concrete to be reinforced with steel and all void spaces in girders filled solidly with concrete. The above shall include the girders outside the retaining walls at the southeast corner of the basement.

Column Protection.

139. All columns below the street level, except as below otherwise specified, shall be incased from floor to ceiling with stone concrete to give the forms indicated on the drawings of a minimum thickness of 4 inches at any point. It shall be reinforced

with steel and shall be puddled in close to the columns on all sides. The casings will be omitted from the columns in the track space in the basement, wherever they are shown to be incased with common brick, and where they come in connection with hollow tile partitions.

Reinforced Concrete Stairs.

140. The stairs from the sidewalk down to the gallery in the boiler room, with platforms, shall be built of reinforced concrete, reinforced to carry a live load equal to the sidewalk load, and shall be finished to match the granolithic floors in the mezzanine story. On each tread furnish and set one width of steel, lead-filled tread, with nosing securing it to iron anchors built in the concrete.

Hollow Tile Work—General Requirements.

141. All hollow tile for floors, roofs, partitions, etc., shall be hard and thoroughly burned, true, free from all defects, well stiffened with longitudinal and cross ribs, and with grooves on all sides to form keys for mortar and for plastering.

142. The live loads of floors and roofs are specified before under the reinforced concrete work and all hollow tile arches shall be built to conform to same. All arches shall be built of straight, flat blocks, side construction, and, in general, of 15 inches depth, but of a minimum depth of 2 inches per foot of span. Adjoining spans must be in every case of equal depth. Joints must not exceed ⅜ inch and no wedging of joints or cutting of ill-fitting blocks will be allowed.

143. The skewbacks must be made to fit accurately the various beam sections and must have beveled flanges with soffit tile to protect the beams. The underside of all arches must present a perfectly level surface when ready for plaster.

Girders projecting below the ceilings must be protected, using flange blocks and soffit tile with partition blocks for the sides of the girders.

Where the floor arch carries the exterior masonry wall of the building above the street level, the hollow tile arch will be omitted and reinforced concrete slabs substituted as specified before.

144. All hollow tile work must be set in Portland cement mortar made as specified before.

The Contractor must furnish and set all plank centres with hanging irons and other necessary support, and he must remove same when the arches are perfectly set.

The arches shall conform to the requirements of the tests specified under Reinforced Concrete Work.

Work to Be Done.

145. All floors above the street level, and all roofs, including the floors of and roofs over the four (4) turrets and passages to same in the twenty-eighth story, but excepting the work specified to be of reinforced concrete work, and the roofs of the north and south pavilions, and also the supports over the expansion loops of the steam risers, shall be built of hollow tile arches to conform to the foregoing requirements, with all beams and girders projecting below ceilings fireproofed.

Book Tile.

146. Over the spaces for the expansion loops of the steam risers furnish and set floors of 3 inches by 12 inches by 20 inches book tile, and ceilings of the same material over the two (2) fresh air chambers in the mezzanine story and the two (2) fresh air intake rooms in the fourth story, and roofs of the same material on the north and south pavilions in the twenty-seventh floor.

Partitions.

147. All partitions in the mezzanine story, except those occurring in the subway spaces but including the partitions inclosing such spaces, the partitions in the mezzanine for heating apparatus under the south elevator hall, and the partitions above the street level on all stories which are shown on plans with a dotted line in same shall be built of hollow tile blocks made to conform to the foregoing requirements. The partitions shall be well bonded together and toothings must be left in unfinished partitions for future connections. The above shall include the light shafts in the two (2) tank rooms in the twenty-sixth story with the exterior walls of same on the roof sides and the curbs of all skylights. All partitions shall start on the floor arch and be carried up and wedged to the arch above and they shall be well bonded. Partitions up to 15 feet high shall be of 4-inch block, above that height they shall be of 6-inch block.

Furring.

148. All exterior walls in the elevator machine rooms in the twenty-fifth and twenty-sixth stories shall be furred from walls to ceilings in all levels, using 3-inch hollow tile partition blocking securely anchored to the walls and carried in to the frames on the jambs of all openings.

Column Casing.

149. Case in all steel columns throughout the building, except where they are shown encased in brick and except those specified to be encased in concrete, with hollow tile blocking of suitable form and of a minimum thickness of 4 inches tied together and anchored to the columns at 6-foot intervals and carried in every case from floor to ceiling. The duct spaces adjoining columns above the street level will not be formed in this contract but proper toothings must be left for future connections. Fill in solidly back of the hollow tile casing with hollow tile set in mortar carried up close to the steel.

Cutting.

150. The requirements as to cutting as specified for reinforced concrete work shall hold good for hollow tile work.

Cohesive Tile Construction. General Requirements.

151. All cohesive tile construction shall be of make to be approved by the Architects. The tile shall be a hard-burned tile and the arches shall be in a sufficient number of rings to carry safely the loads entailed and they shall finish to forms as indicated on the drawings. For work in the tower the Contractor shall level up with tile to receive the work above. All steel required in the work beyond that indicated on the framing drawings must be furnished and set by the Contractor. All centres with the necessary scaffolding and all material and labor shall be furnished by the Contractor and he shall submit working drawings for approval before starting the work. The exposed tile shall be glazed, be of color to be selected by the Architects, be laid herringbone and on completion the joints shall be pointed, the pointing to be a raised square-edged joint. Any steel work occurring must be suitably encased with tile.

Where Used.

152. The ceilings of the north and south concourse at the street level, as per the plans and details of same, and the soffits from the architrave over the columns to the wall of the tower in the thirty-eighth story, shall be of the cohesive tile construction to conform to the foregoing requirements.

Cutting.

153. The requirements as to cutting as specified for reinforced concrete work shall hold good for cohesive tile construction.

WATERPROOFING.

Materials.

154. The felt used in waterproofing shall be the best quality saturated roofing felt to weigh not less than 14 pounds per 100 square feet of single ply.

All pitch shall be of the best qualtiy of straight run American coal tar pitch and it shall be applied hot.

Surfaces to be waterproofed must first be given a coat of hot pitch.

155. Each layer of felt must be coated after laying with pitch and all joints in the felt must be made by a lap of one-fifth the width of the sheets, and one-third the width of the joints must be cemented with pitch. The waterproofing coming in connection with the exterior walls and the walls of the north and south concourse shall be carried up 10 inches in the walls. The waterproofing of rooms in the interior of the building shall be carried up 6 inches on the side walls and sleeves of 18-ounce copper with flanged bottoms shall be provided for all pipes passing through the floors, the sleeves to be carried up to the level of the finished floor. All new waterproofing in connection with the existing subway must be properly connected to the waterproofing of same, and elsewhere suitable laps must be left for connection of future work.

Omitted Work.

156. All waterproofing of the track space in the basement will be omitted from this contract, except that the waterproof course in the buttressed retaining walls at the north and south ends must be carried in and a lap left on the inside line of the footing course.

Waterproof Course.

157. In all walls in the basement built under this contract build a waterproof course in five thicknesses to conform to the foregoing requirements, leaving laps for the connection of the floor and vertical work. This shall include the tops of the retaining walls built under the prior contract.

Vertical Work.

158. All retaining walls, including those built under the prior contract, and including the new wall built against the existing subway, shall be waterproofed in five thicknesses to conform to the foregoing requirements making connection with the waterproof course specified above and leaving laps where necessary for the floor connection. The above shall include all walls in contact with earth, the west wall of the coal storage and boiler rooms down to the track space level, and the work shall be carried up and under the waterproofing of sidewalks, streets and other surfaces outside the building walls. It shall include also the walls of the pump pit on the west side of the building in the basement. In addition, all sewer manholes and receiving or catch basins, or the brick boxes or iron sockets receiving street lights or fire hydrants, specified hereinbefore, must be waterproofed in five thicknesses to conform to the foregoing requirements, the waterproofing to be carried under floors as well and made continuous.

Floor Work.

159. The floor of the pump pit in the west side of the building in the basement, all floor spaces in the basement west of the track space, the entire floor of the coal storage and boiler rooms, including the floor and walls of the pit in same, shall be waterproofed in five thicknesses to conform to the foregoing requirements, making proper connection with the waterproof course and the wall work specified before. The floors and walls of all pits and trenches occurring in the floors shall be waterproofed to conform to the floor work and properly connected to same, the whole of the waterproofing to be continuous. In the mezzanine story the floors of the engineer's toilet, two fresh-air chambers and gallery in the boiler room shall be waterproofed in three thicknesses applied on the floor arch and to conform to the foregoing. In the street level the floors of the north and south concourse, all sidewalks, all streets and other spaces outside the building walls, shall be waterproofed in five thicknesses to conform to the foregoing requirements, the work to be carried down over the vertical wall work and under the copings around stair wells and other openings. In the fourth story the floors of the fresh-air intake rooms shall be waterproofed in three thicknesses to conform to the foregoing. In addition, the floors of the tank rooms on the fourteenth, twenty-sixth and thirty-fifth stories shall be waterproofed in three thicknesses to conform to the above work.

Repairs.

160. The Contractor shall do all repairing of waterproofing after all other work. He shall provide collars and make tight the joints around pipes passing through the retaining walls.

Guarantee.

161. The Contractor shall guarantee the water-proofing work to be absolutely moisture-proof for two years from the acceptance of the building. Should it in any instance fail, he must renew same without cost to the City, and also make good any work damaged by reason of such failure by the renewal of the water-proofing.

TILE ROOFS.

General.

162. All roofs to be tiled shall be filled with concrete as specified hereinbefore, graded to the leaders and finished with a floated coat of Portland cement mortar. On this surface the Contractor shall apply a coat of coal tar pitch, and on same waterproof in five thicknesses, using 14-pound saturated roofing felt. The felt shall be laid with a lap of one-fifth the width of the sheets and all laps must be solidly cemented together with the pitch. Each layer of felt must be laid separately and thoroughly coated with pitch. There shall be used not less than 75 pounds of roofing felt and 25 gallons of pitch for each 100 square feet of roof surface. The felt and coal tar pitch shall conform to the specification for same under "Water-proofing."

163. Base flash the junction of the roofs with all walls and vertical surfaces generally, using 16-ounce soft-rolled copper carried out 4 inches on the water-proofing and up a minimum distance of 12 inches on the vertical surface.

164. Flashing on stone walls must be carried up to the first joint in the cut stone, regardless of its height. Where openings break through the flashing it shall be carried in on the jambs and secured to the frames and also in and under the sill. For doors breaking through the flashing, furnish and set cast-brass saddles, rabbeted and with outside and inside flanges, and secure the flashing under same, the saddles to be secured by expansion bolts to the masonry and by tap bolts to steel framing. Where copings are 18 inches or less above the roofs, the flashing must be carried up to same. Where the under side of copings is less than 12 inches high above the roof the flashing must be carried up on top of same and wedged and cold-leaded into a raglet.

165. Flashings over 12 inches high must be stiffened by the vertical joints made standing and double-locked. Elsewhere the joints in flashing must be flat-locked and soldered joints. Cap flash all flashing, using 16-ounce cold-rolled copper carried down to show not more than 12 inches of flashing, but to cover in no case less than 4 inches, and build the capping 4 inches into the walls. Where raglets occur the capping must be wedged and cold-leaded into same.

166. All vertical surfaces specified hereinafter to be sheathed in copper shall be provided with a wood base of height specified for flashing, and the roof flashing must be carried up and on top of same to the inside edge, and the cap-flashing carried up and under the copper sheathing.

167. The flashing around plumbing pipes shall be done as specified under "Plumbing Work," but the flashing and capping of same around ventilators must be done by the Contractor to conform to the foregoing requirements. Cement all flashing to the water-proofing by laying two thicknesses of felt over same lapped on the water-proofing and laid as specified for the water-proofing.

168. Provide for all leader outlets occuring in tile roofs scuppers 10 inches by 10 inches by 2 inches deep of 20-ounce cold-rolled copper, with a shoulder to receive the tile and carry same 4 inches out on the water-proofing, cementing it as specified for flashing. The scuppers must be provided with strap guards of 20-ounce cold-rolled copper crossed and soldered together and with tops 3 inches above the roofs. Connect all scuppers to the leaders by long splayed lengths of 8-pound lead pipe to allow for expansion and contraction. It must be beaten down and soldered to the scuppers and connected to the brass ferrules by wiped joints. All copper work shall be tinned on edges.

169. On top of the water-proofing lay a bed of mortar not less than 1 inch thick and properly graded, consisting of one (1) part Portland cement to three (3) parts sand, and on this bed the best quality of 6-inch by 9-inch by 1-inch vitrified, square-edged, self-glazed roofing tile carried up close to all flashings. After laying, grout all joints with Portland cement grout (1 to 1) cleaning off the roofs immediately after grouting. Finished roof surfaces must drain in all cases as indicated on the plans. Crickets must be formed behind skylights and other work breaking through the roofs to shed water.

At the high points in all roofs the Contractor shall build expansion joints of soft rolled copper connected to the water-proofing as specified for flashing.

Special shaped tile shall be provided where required, notably, the circular roof surfaces in the tower.

Work To Be Done.

170. The following roof surfaces shall be water-proofed and finished in tile, with all flashing done and scuppers with spouts provided to conform to the foregoing requirements:

All roof surfaces shown on the twenty-sixth floor plan outside of the tower, tank rooms and deck houses.

The roofs of the deck houses shown on the twenty-seventh floor.

All roof surfaces on the twenty-eighth floor outside of the tower and turrets. The flashing on the outside in this case shall be carried up and cold-leaded into a raglet on the top of the base member of the balustrade.

The roof surfaces inside the four turrets on the twenty-ninth floor. The tile shall be carried to the line of the inside of the stone work and the flashing cold-leaded into raglets in the top of the stone sills in the openings. The roofs over the passages to the turrets on this plan shall be of stone.

The roof surfaces outside the building walls in the thirty-sixth floor. The flashing shall be cold-leaded into a top raglet on the stone course on the outside.

In addition, the space back of the cheneaux on the main cornice in the twenty-fifth floor, except across the west side of the tower, in to the gutter shall be waterproofed and tiled to conform to the foregoing requirements. The Contractor shall provide and set at the inside and outside edges an angle-iron, bolting it to the framing and securing it to the stone by expansion bolts about 24 inches apart. The gutter and flashing to be carried over this angle.

Guarantee.

171. The Contractor shall guarantee the tile roofs to be absolutely water-proof for five (5) years from the acceptance of the building. Should any leaks occur in that time he shall, when notified, and at his own cost, make all necessary repairs and also repair any adjacent work damaged by reason of such repairs.

Cut Granite Work.

Quality.

172. The granite shall be of a very light color, fine grained, evenly mixed in ingredients, compact in texture, presenting a flat tone suitable for moldings and for carving, and it shall be equal in all respects to samples in the offices of the Department of Bridges and the Architects, but no granite will be accepted which is darker than the darkest of the samples noted above.

The texture shall be even and uniform, free from permanent or coarse specks or blotches of any kind which might affect the continuity to the eye of cut lines, edges or surfaces, and it shall be such that the stone will be capable of holding sharp arrises.

Every stone must be strong, sound, durable, free from flaws, seams, shakes, stains or any other impurities that may cause stains or discolorations.

173. All necessary care must be taken in the selection of each and every block from the quarry, that it shall be uniform in color and in all other characteristics above enumerated be equal to the samples submitted and approved, to the end that no noticeable differences in these respects shall appear in the several stones of the walls, either when first laid up or ultimately.

The layers must be taken from below the surface at the quarry sufficiently deep so that the stone shall be in no way affected by vegetation.

Dressing.

174. All stonework in the building, up to and including the molded course at the sixth floor, shall be dressed eight (8) cut. Above this point, and up to and including the main cornice, the stonework shall be dressed six (6) cut, except molded work, which shall be eight (8) cut. All stonework of the roof houses and tower shall be dressed four (4) cut, except molded work and column shafts, which shall be six (6) cut. All curbings shall be dressed six (6) cut. All exterior steps, borders, etc., shall be dressed eight (8) cut. All soffits shall be tooled at right angles to the face of the walls and all vertical work shall be tooled vertically.

Models.

175. The Contractor shall submit for the Architects' approval full-size models of all stone carving called for on the drawings, the models to be made and paid for as specified hereinbefore. All models shall be tinted to the tone desired and set in place at the building by the Contractor.

176. The models shall be the property of the City and shall not again be reproduced in any way for architectural purposes, and the models and casts shall be produced at the building by the Contractor when directed by the Architects for comparison with the reproductions in granite.

177. In general, the carving will be omitted on the northeast, east and southeast sides, except the column and pilaster caps in the third and twenty-third stories, all discs, the keystones of arches, the egg and dart molding at the fifth floor, the perforated screens of the fourth story windows, the dentil or bracket course at the twentieth floor, and the modillions of the main cornice.

178. Also the sculptured figures on the north and south pavilions in the fifth story, and on the colonnade, will be omitted from the contract. All other carving shall be carried through on all other sides, including the court on the west and on the colonnades where shown.

Carving.

179. All carving of granite work shall be hand work done in a spirited and artistic manner by skilled workmen, under the direction of a master carver, who shall have had at least five (5) years' experience as such, be well versed in the art of granite carving, and have references which must be in every respect satisfactory to the Architects.

Cutting of Granite.

180. The Contractor shall prepare setting plans of all cut granite showing the size, shape and jointing of all stones, and with each stone numbered thereon, and all cut granite delivered at the building must be marked according to the setting plans. These setting plans must be approved by the Architects before the stone is cut, and the Contractor shall furnish triplicate copies of same, one for the Architects' office, one for the building and the other for use at the quarries.

181. The Contractor shall be responsible for the correct cutting and accurate fitting of all stone furnished by him, and he shall do recutting and refitting wherever found necessary when the stone is being set on the building, maintaining a sufficient number of men on the building for this purpose. The faces of adjoining stones shall finish flush and any stones not fulfilling this requirement shall be recut after setting.

182. The Contractor shall do all cutting and fitting of granite required to accommodate all work. He shall also do all cutting to fit the granite work carefully around all structural steel, such as columis, girders, beams, etc., in the best manner, and also all cutting and fitting of granite work required to accommodate the anchors, cramps, dowels, bolts, etc., necessary to the completion of the work. The curb around the street light poles shall be one-quarter inch higher than the rest of the curb and cut to a seat, as per detail to be furnished.

183. All cut granite shall bond into walls the full depths shown on the drawings and details. For projecting courses or members the bed shall exceed the projection of the stone from the face of the wall, except where particularly otherwise shown on the details.

184. All ashlar in the building up to the main cornice at the twenty-fifth floor and all ashlar in the tower, shall be bonded into the walls in alternate courses of 8 inches and 12 inches. All other ashlar in alternate courses of 4 inches and 8 inches. The reveals of openings shall not be affected by the above. No heading stones at corners shall show less than 16 inches wide, unless particularly otherwise shown on the drawings. All stones in angles must be checked out with the vertical joint in no case occurring in the angle, unless particularly so indicated on the drawings.

185. The stones must be carried not less than four inches below finished grades, sidewalks or floors. All projecting members and top surfaces must have a groove cut in each stone at the joints parallel to the joint and below the top surface, the groove to stop about 2½ inches back of the projecting face. This groove shall be grouted full of mortar.

186. The reveals of windows, doors and other openings shall be of the depths shown on the drawings and details, and the heads shall in every case be the full depth of the reveal on the jambs. There shall be no vertical joints in reveals except where distinctly so shown on drawings.

187. All molded work shall be profiled, jointed and executed in strict accordance with the full-size drawings, and a failure to follow details exactly will be cause for the rejection of the stone.

188. All granite shall be cut so that it may be set on its natural or quarry bed, and all horizontal surfaces shall be axed to a full and even bearing.

189. All beds and joints shall be true and out of wind, have an equal bearing throughout, and be so worked that when set the joints will not exceed 3-16 inch in thickness. All joints must be maintained plumb. Front edges must be cut back 1½ inches on all joints and no stone shall have a less depth in the wall than 4 inches at the joints.

190. All stonework in the walls shall be pitched off at the back square with the beds, and all stone against which wood or ironwork will abut shall be finished to a true surface.

191. Each stone shall be of the full size called for by the drawings and details, the distance lines showing on same from joint to joint are from centre to centre and the stone must be cut accordingly, allowing for a joint of the required width.

192. No false joints and no miter joints will be allowed. All copings shall cut with a wash on top and a drip underneath, and be 1½ inches wider on each side than the wall below. Cut stones shall be cut with a tongue and groove at the joints.

193. All molded or cut surfaces projecting beyond the face of the building, and top surfaces, shall be cut with a proper wash on top and a drip or throating on the underside, and where they become window or door sills they must extend 2 inches under the sill or saddle above. Top surfaces shall be graded where required to drain to the outlets indicated on the plumbing drawings. Sills must be provided for all openings made as will be detailed with a wash on top and with shoulders to receive the jambs and with drip beneath.

194. The Contractor shall cut lewis holes in all stones where such may be needed for setting, and they shall be cut in surfaces which will be completely covered by other stones.

195. Do all boasting for carving covered by this contract.

No patched, damaged, filled or discolored work will be accepted and all such stones shall be replaced complete by perfect work.

Flashings shall be built in where possible, but where not built in the Contractor shall cut raglets for same 2 inches deep.

All steps and platforms shall be cut with a proper pitch and they shall notch down over one another.

196. The shafts of all columns and pilasters shall be built in drums or sections and the sections shall be doweled together. The shafts shall be cut with a fillet and conge at top and bottom and the column shafts shall be worked with an entasis which must be accurate. The bottom bearing of column shafts shall be slightly convex in order that the bearing shall not be on the outer edge only.

All pilasters and engaged columns shall be backjointed. All balusters and similar work shall be turned to a true form.

197. All borders and flat work in floors or pavements, except steps, shall be 4 inches thick, except the large flush sills in the street level openings which shall be 6 inches thick, and except all similar stones having an area of over 40 square feet, which shall be 6 inches thick.

Setting.

198. All stone must be carefully set in a full bed of mortar with all joints completely filled, and after setting all joints shall be raked out to a depth of ¾ inch from the face of the wall and left for pointing.

All sills shall be bedded at ends only and the under joint pointed up at completion.

All borders or work in sidewalks or floors shall be set in a full bed of mortar. Slack bedding will not be allowed. All stone must be brushed clean and moistened well before being set.

Setting Materials.

199. All cut granite shall be set in non-staining cement mortar and shall be pointed up on completion. The materials for setting and pointing shall be as specified hereinbefore.

The backs, ends, beds and builds of all cut stone shall be given one (1) coat of Dehydratine, R. I. W., No-Damp, Universal Compound, Minwax or an equally good waterproof paint, the paint to be applied while the stone is in the air on the derrick and to be carried to within 1½ inches of the face of the stone. In addition, all stone shall be backed up with lime paste.

Anchors, Cramps, Dowels, etc.

200. All anchors, bolts, cramps, dowels, etc., and the necessary lead shall be furnished as specified under miscellaneous iron work and the Contractor shall properly set them. Anchors, bolts, cramps, dowels, etc., shall be in general as specified below, except that the Architects reserve the right to order more if, in their opinion, they are necessary.

All dowels and all cramps in exposed surfaces shall be of hard brass, all other metal work shall be of wrought iron galvanized. All cramps shall be run in with lead. All copings, top and bottom members of balustrades and top members generally shall be cramped and leaded together, the number of cramps at each joint to be proportioned to the width of the stone.

Every stone shall be secured in place by anchors of 3-16-inch by 1-inch iron turned up 2 inches in the backing and 1 inch down in the stone and built 8 inches in the backing.

201. All stonework in connection or contact with the structural steel of the building shall be anchored to same.

Architrave members over columns and pilasters shall be cramped together. Where required the Contractor shall substitute for the cramps dovetail form end dowels, the holes for which shall be filled with mortar.

The main cornice shall be anchored to the steel supports, which shall be provided by the Contractor and each bracket shall be hung from same. The architrave member of the cornice shall be similarly hung.

202. All projecting members requiring it shall be anchored down by ¾-inch iron anchors built 3 feet 6 inches in the walls and extended through the stone with a plate and nut on top and spaced two to each stone.

The drums of pilasters and columns shall be doweled together, using three dowels to each joint, and the bases and caps similarly treated.

All balusters must be doweled to the top and bottom rails, the top and bottom rails cramped or end doweled to the posts and the members of the posts doweled together at each end. All finials or similar members shall be doweled to their supports.

203. The courses in the four turrets of the tower above the cornice in the thirtieth floor shall be cramped and doweled together.

Above the thirty-fifth floor of the tower and up to the thirty-ninth floor every fifth course shall be cramped together. Above the thirty-ninth floor every course shall be cramped, and above the fortieth story they shall be doweled in addition.

When the anchor member of the figure on the tower is set, grout thoroughly with non-staining cement mortar the joints around same.

204. Any metal work beyond the above which the Architects may deem necessary to the completion of the work shall be furnished and set by the Contractor.

In addition, the joints of all exposed top stones shall be calked with clean picked oakum and cold lead wedged in tight, the lead to be not less than ½ inch deep and to finish flush.

Cleaning and Pointing.

205. After all cut granite is set, the Contractor shall brush out all joints thoroughly clean, moisten well and point up, using the pointing mortar specified hereinbefore and packing it solidly into the joints.

After pointing, thoroughly clean down all granite work, using stiff brushes, acid diluted in water, etc., and turn the work over in perfect condition.

Where Used.

206. The Contractor shall furnish, deliver at the building and set in accordance with the foregoing requirements all cut granite shown or implied on the drawings and details or mentioned in the following description:

Concourses.

207. The facing of all walls in the north and south concourses, from below the finished floor level up to level plus 38 feet, the pilasters at all exterior openings in the concourses with the molded caps on same returning to the walls, the arches over all exterior openings, jambs and soffits for all exterior openings paneled as shown, and all work on the isolated columns on the two (2) concourses, including base, shaft and cap, shall be of the granite specified above.

The work in the two (2) concourses shall include also all floor borders and members where indicated on the plans, the cap member around all stair wells in the concourses, the steps to stair halls, telephone booths, and to sidewalks, etc., and flush or raised sills in all openings. The work on columns shall be carried down in the stair wells to 4 inches below the finished treads.

Chambers Street.

208. The facing of all walls and columns or isolated piers in Chambers street under the building, from below the finished grades up to and including the molded cap course of the pedestal at level plus 38 feet, all columns or isolated piers in same with molded bases and caps, and all corresponding pilasters in walls with molded bases and caps, paneled jambs and soffits for the openings at each end, with the returns in Chambers street, of the molded courses on same, and the jambs and lintels of the doors in the north and south walls, shall be of the granite specified above. Also all borders and other work indicated in the sidewalks on Chambers street, the steps to the elevator halls and the flush sills in all openings shall be of the granite specified before.

Exterior.

209. The building on all sides from below the finished grades up to and including the main cornice in the twenty-fifth story, shall be faced with the granite specified before.

The work shall include all ashlar, the columns and pilasters of the first order with molded bases and carved caps, the molded archivolts over the street level openings with carved keys, impost moldings and discs in the spandrels (jambs and soffits to be paneled), the molded sill course of the second story windows with carved members, the carved panels in the second story, the molded and carved sill course to the third story windows, the molded architrave, frieze and cornice with ornament forming the entablature of the first order in the fourth story (the windows to have perforated granite screens and the frieze to have carved panels, except where hereinbefore omitted), the paneled pilasters in the fifth story with molded bases and base course and the molded cap course over same, all work in the shaft of the building up to the twentieth floor, the molded and ornamented course at the above floor with all panels above same, the molded and ornamented course in the twenty-first floor, all columns and pilasters in the order above the twenty-first floor with molded bases and carved caps, and the main cornice consisting of molded architrave, frieze in the twenty-fourth floor with carved panels, and the cornice with carved modillions and paneled soffit, and also sills and lintels for all openings, paneled jambs where indicated, all mullions and moldings around openings where called for on the drawings. The soffits of the entablatures over pilasters and columns shall be paneled in every case.

210. The stone carving on the building shall be approximately as follows: The column and pilaster caps in the third and twenty-third stories on all sides of the building, including all walls forming the west court, the egg and dart molding in the cornice at the fifth floor on all sides of the building and on all walls forming the west court, the bracket course at the twentieth floor shall be carried around as noted above for the egg and dart course, the modillions in the cornice shall be carried entirely around the building on the three sides noted above, with the soffit panels between same, the carved shields in the fourth story north and south pavilions, all walls of the west court and on the colonnade as specified hereinafter, the four (4) carved moldings below the windows in the second story in the north and south pavilions and all walls of the west court, the two carved moldings and the carved fascia above the second floor windows in the north and south pavilions and all walls of the west court, the above to extend between the pilasters; the carved panels beside the second story windows in the north and south pavilions and all walls of the west court, the carved panels in the frieze of the main cornice in the twenty-fourth story in the north and south pavilions and in all walls of the west court.

211. All work forming the colonnade between the north and south pavilions on Centre street shall be of the granite specified before, and shall include all pilasters and columns with molded bases and carved caps, all ashlar, paneled jambs for openings and soffits for the arches over same, all impost moldings, the two molded courses over the side openings, molded architraves for all arches with carved key blocks, the carved panels over the side openings with carved medallions above same, the carved spandrels of the large arch, the entablature over the order paneled on soffits and consisting of molded architrave, frieze and molded cornice, the frieze to be carved and to have inscription as indicated, and all top stones on top of the entablature. The arches in the main building over the openings to Chambers street and to the two (2) sidewalks of same, shall match the arches in the colonnade and be fitted with carved key blocks.

212. Both sides of the colonnade shall be alike except as otherwise noted. The carving in the colonnnade shall be as follows: All column and pilaster caps, the impost course over the side openings in the colonnade shall have four (4) carved moldings to match the sill course of the second story windows, the carving to be on both sides of the colonnade. Also the course under the medaliions shall have two (2) carved moldings and one (1) carved fascia to match the sill course of the third story windows, the carving to be carried on both sides of the colonnade. The carved panels of figures over the side openings of the colonnade shall occur on the front only. The medallions over the above panels to be carved on the front only, the back to be a circular panel. The carved spandrels over the main opening in the colonnade will occur on the front only. The inscription, carved shield and other carving in the frieze of the entablature to occur on the front only, and the carved molding in the cornice of the colonnade to occur on both sides.

In addition, the walls of all roof buildings, except where hollow tile is indicated, shall be of the granite specified before, and shall include all ashlar, sills and lintels, molded cornices and parapets with cheneaux, except where the cheneaux is specified to be done in ornamental terra-cotta.

213. In addition, all walls of the tower above the main cornice line, and all free standing work of same, including the turrets, shall be of the granite specified before, and shall include all ashlar, paneled pilasters, the molded course with dentils at the twenty-eighth floor, the balustrades, with finials above this course, the molded course at the twenty-ninth floor, all work forming the turrets at the four (4) corners from the twenty-ninth to the thirty-third floor, with all moldings, panels and carved work where shown, the molded courses on the main tower at the thirty-first floor, the columns with carved caps and molded bases over the above, and the corresponding work forming the drum, the entablature consisting of a molded architrave, frieze and molded cornice at the thirty-fourth floor (soffits paneled), with the balustrade, with finials above same, all drum work in the thirty-fourth floor, the molded and plain courses at the thirty-fifth floor, the columns with molded bases and carved caps above these courses, with the corresponding drum work, the entablature over the columns (paneled on soffits) and the balustrade above same, and all work above this height in the tower up to the copper figure, including the carved birds on the posts and the brace members back to the centre.

214. All tower work shall be done in accordance with the drawings, and the character of the work indicated by the large scale drawings of the main building.

215. The curb on all streets, including Chambers street, the borders in the sidewalks around the building, including the border, and all work in the sidewalk spaces behind the colonnade, the steps leading to the two (2) elevator halls and concourse with flush sills in all openings of sizes indicated, the steps from the Centre street sidewalk up to the sidewalk spaces behind the colonnade, with the similar steps back to the colonnade, and the flush sills in all colonnade openings shall be of the granite specified before. The curbings shall be of the sizes indicated on the various sections, shall be cut with tongue and groove joints and proper holes for the street lights.

In addition, any curb or gutter stones required for receiving or catch basins on the curbs and for sewer manholes shall be of granite to match the foregoing.

Base Stones.

216. Furnish and set for the structural steel columns where indicated on the drawings, base stones of sound structural granite free from all imperfections, dressed fine-axed on all surfaces and of the sizes indicated.

Bluestone.

217. All bluestone shall be of sound, hard stock, free of all defects and equal to the best quality of Ulster County stock.

Where Used.

218. Provide a 4-inch by 12-inch fine-axed coping around the pump pit in the boiler room, and also rubbed caps 6 inches thick for foundations for the lifts and for all pumps and motors provided under plumbing work.

ORNAMENTAL TERRA COTTA WORK.

General.

219. All ornamental terra cotta shall be a mat-finished terra cotta, to match exactly in color the cut stone used in the exterior of the building, and shall be made according to details. All pieces shall be small, sound, hard, straight and true, and of uniform color. All warped, crazed, kiln-cracked, discolored, chipped, damaged or imperfect pieces will be rejected.

220. All terra cotta shall be molded from models made and paid for as specified hereinbefore, and all models must be approved by the Architects before molding the terra cotta. Where required by the Architects the models shall be set up in position on the building for approval.

221. Top joints must be lipped and protected and terra cotta shall be molded with raglets to receive the roof flashing where necessary. The Contractor shall furnish all necessary setting plans for terra cotta.

Anchor all terra cotta securely in place by galvanized wrought iron anchors, ties, bolts, etc., as will be directed.

222. The terra cotta shall be drawn to tight and accurate joints and be set level, plumb and true. All joints in terra cotta shall be ground and be as fine as possible. All supporting irons, anchors, etc., shall be furnished as specified under Miscellaneous Iron Work. The Contractor shall do all cutting and fitting necessary to make his work perfect. All terra cotta shall be backed up and all voids filled as set, using brick and mortar as specified hereinbefore. All terra cotta shall be set in non-staining cement mortar.

Work to be Done.

223. The ornamental cheneau around the building on the cornice above the twenty-fifth floor shall be of terra cotta made and set to conform to the foregoing requirements. Vertical iron anchors must be built in and extended up into the antefixae, and the latter securely wired to same. Also the parapet and ornamental antefixae on the cornice of the north and south pavilions above the twenty-fifth floor, and the parapet, with discs, on the cornice above the twenty-fifth floor on the west, northeast and southeast sides, shall be of terra cotta to conform to the foregoing requirements. Also, the paneled, vaulted ceiling over Chambers street, extending from the granite arches in the east and west walls, shall be of ornamental terra cotta made and set to conform to the foregoing requirements, the work to start at the top of the cornice, and all joints to be made radial. The blocks shall be hung from iron supports.

All wall surfaces in the two (2) concourses at street level above the base course at level plus 38 feet, up to the molded impost course, shall be of terra cotta made to conform to the foregoing requirements. The work shall be carried in on the jambs and soffits of openings, and the keystones of the large arches over the entrances to the stair halls shall be ornamental. The facing of the isolated columns in the concourses and the pilasters with molded caps at the sides of the exterior openings, will be of granite as specified hereinbefore.

IRON FURRING.

General Requirements.

224. All furring shall be done with suitable rolled shapes of soft steel bent to the forms required and secured together with bolts and nuts. Furring shall be done with angles, channels or tees—no rounds or squares will be permitted. Flat members may be used, but they shall be not less than 3-16 inch by 1 inch in size, and where used they must be set on edge and not flatwise, except in forming molded work. The main furring bars shall be not less than 1½-inch by 3-16 inch angles and cross furring bars to receive lathing must be spaced not over 12 inches on centres and all furring must be so stiff that there will be no deflection when the finished plastering is applied. Drop members from the hangers in the fireproof floors shall be not less than ¼ inch by 1¼ inches. All connections throughout the work shall be bolted—no connections in furring secured by wiring will be permitted. Below the street level hangers shall be provided and set to receive the furring, as specified under Reinforced Concrete Work. Elsewhere the Contractor shall provide all necessary hangers of sizes to conform to same.

225. Beams and girders projecting below ceilings shall be furred down to finish with square corners. All connections to masonry must be made by expansion bolts.

The Contractor shall do all cutting, drilling, fitting, tapping or punching of steel work entailed by the furring work, and he shall do all cutting of furring work to accommodate all work.

226. All material for use in furring must be dipped twice before assembling in a paint to conform to that specified for structural steel. The first coat must be thoroughly dry before the second is applied and the second before the material is used.

Work to be Done.

227. The following furring work shall be done by the Contractor to conform to the foregoing requirements:

The ceilings of the Engineer's toilet in the mezzanine story, the work to be carried up to the underside of the vault lights, as indicated on the section.

The paneled ceiling over the two (2) sidewalks on Chambers street, the panels to be molded and concave in form.

The soffits of all openings in exterior walls in all levels in the two elevator machine rooms in the twenty-fifth and twenty-sixth stories.

All furring necessary to accommodate the artificial stonework specified herein.

LATHING.

General.

228. All metal lath used shall be No. 20 wire cloth, two and one-half meshes to the inch, reinforced with V-shaped stiffeners woven in every 7 inches, No. 24 gauge "A" grade Cleveland, Herringbone, or General, expanded metal, or an equally good metal lath. All metal lath shall be galvanized, be given a lap of at least 2 inches, and be firmly wired to supports at 8-inch intervals by No. 18 annealed lacing wire.

Where Used.

229. All furring work specified hereinbefore shall be lathed by the Contractor to conform to the foregoing requirements.

PLASTERING.

Materials.

230. All sand, white sand, lime and Portland cement shall be as specified under Materials in Mason Work.

All white Portland cement shall be the Medusa, Snow White, Blanc, or an equally good brand, and it shall be able to stand satisfactorily the tests specified hereinbefore for Portland cement under Materials.

All plaster of Paris shall be King's "Diamond" brand, or an equally good brand to be approved.

All patent plaster shall be the Rock Wall, King's Windsor, Ivory, Phoenix, New York, Pulp Plaster Company's, Adamant, or an equally good brand to be approved.

The hard finish coat shall consist of 9 pounds of lime, 5 pounds of plaster of Paris and 5 pounds of clean marble dust to each 10 square yards of surface.

Mixing.

231. Portland cement mortar shall be mixed in the proportion of one part cement to three parts sand.

All patent plaster must be mixed by the manufacturer and the scratch coat shall contain the best quality of long, clean cattle hair in the proportion of one bushel to three barrels of the material. When the plaster is delivered at the building it must be ready for tempering with water.

232. All mortar for plaster work which is outside the walls of the building shall be composed of one part white Portland cement to three parts sand, tempered with 5 per cent. by volume of pure lime paste.

All lime must be slaked in a mortar box and allowed to stand at least two weeks before using.

All mortar must be mixed in proper plank mortar boxes. No mortar shall be mixed on the bare ground.

Notes on Plastering.

233. All plastering on brick and fireproofing shall be done in the brown and finishing coats, and on lathing it shall be done in the scratch, brown and finishing coats.

The Contractor must screed all over for the brown coat at 5-foot intervals to obtain perfectly true work, then float on the brown coat to an even surface. The hard finish coat shall be thoroughly troweled on and left perfectly smooth and hard.

All surfaces intended to be plastered must be thoroughly cleaned off and dampened before any plastering is done, and each coat must be thoroughly dry before the succeeding coat is applied.

Work to be Done—Portland Cement Work.

234. All brick walls in the boiler room, including those on the gallery and stairs up to the exterior door, shall be given a scratch coat of Portland cement mortar, followed by a floated coat which must be finished by troweling to a smooth surface. It shall be carried in on jambs, sills and soffits of openings to the frames. The ceilings of the two (2) fresh air chambers in the mezzanine story and of the two (2) fresh air intake rooms in the fourth story, and also all walls and ceilings in the various levels of the two (2) elevator machine rooms in the twenty-fifth and twenty-sixth stories shall be finished with two coats of Portland cement mortar to conform to the foregoing. In the two (2) elevator machine rooms the above work shall be carried down on the shaft walls to the channel-iron frame of the gratings.

In addition, all surfaces specified under Sheet Metal Work to be sheathed in copper, including skylight curbs, the roof side walls of the north and south pavilions in the twenty-sixth floor, and all roof surfaces which are specified to have copper roofs shall be finished by the Contractor with Portland cement mortar floated smooth and of sufficient thickness to finish flush with the wood grounds provided under Carpentry.

Plaster Work.

235. The walls of the Engineer's toilet in the mezzanine story above the wainscot and the ceiling of same shall be finished in patent plaster, hard finish, to conform to the foregoing requirements, two coats on masonry and three coats on lathing, the work to be carried up in the shaft to the under side of the vault lights. The paneled ceilings over the sidewalks in Chambers street shall be finished in three coats, using white Portland cement mixed as specified before and finishing with a sand finish. All run work shall be finished with a wash coat of the white Portland cement and sand to match the flat surface. If necessary, the entire ceiling shall be washed to give a uniform tone.

236. The color of the finished work will be decided by the Architects on samples 3 feet square, furnished by the Contractor. The samples to be set in position at the building, and the Contractor shall provide as many samples of different tones as may be necessary in the opinion of the Architects.

Artificial Stone.

237. All artificial stone shall be an imitation granite composed of white Portland cement, pure white quartz, iron oxides, natural Portland cement and clean sharp sand, with iron reinforcements where necessary. All work shall be cast and set in place with mortar joints, and each piece securely anchored to the furring or masonry.

All artificial stone shall be a hard material to match in color and texture the real stone, and the color in every case shall be a body color and not a wash.

The Contractor shall submit to the Architects for their approval samples at least 4 feet by 4 feet in area of the artificial stone he proposes to furnish. If the samples do not meet the Architects' approval, he shall make further samples until the desired color and texture is obtained. The approved samples shall be left with the Architects until the completion of the contract, and the work furnished by the Contractor shall equal the approved samples.

Models shall be provided for the ornamental work as specified hereinbefore.

In the two (2) concourses the impost course at the foot of the arches over the exterior openings, on all walls, shall be of artificial stone made to conform to the foregoing requirements. The molded caps on the pilasters at the sides of the exterior openings, and the caps on the isolated piers in the concourses, shall be of granite, as specified hereinbefore.

In Chambers street, all work up to the level, plus 38 feet, all isolated piers with caps and bases, all pilasters on the walls with caps and bases, and the jambs and lintels over the openings in the north and south walls, shall be of granite. All work other than the above up to the spring of the barrel vault shall be of artificial stone made to conform to the foregoing requirements and as shown on the drawings. The work includes the ornamental courses between the pilasters on the walls, and also the beams over the sidewalks on Chambers street (paneled on soffits), running from the piers to the wall pilasters. The jambs and soffits of all openings at the east and west ends, with the returns of the impost courses, shall be of granite, as specified hereinbefore.

Patching.

238. The Contractor shall patch and make good all broken and defective plaster or artificial stone in the best and most workmanlike manner after all other work, leaving all plaster work free from cracks, stains and other defects.

STRUCTURAL STEEL AND IRON WORK.

General.

239. These specifications are intended to cover all the structural steel and iron work in this building. They are intended to co-operate with the drawings for the same as hereinafter specified, and what is called for by one is as binding as if called for by both. They do not necessarily specify every individual piece of iron required, but they are intended to show everywhere what is to be accomplished by the use of structural steel and iron and to provide for a finished piece of work.

Requirements Outlined.

240. The Contractor must furnish and set the structural steel and iron called for by these specifications and drawings, and when the erection is completed he must remove all the material used in performing the work. He must furnish in all cases exact sections, weights and kinds of material that are called for, and he must follow exact details, methods and instructions called for by these specifications and the said drawings, to their full intent and purpose. He must set the ironwork as fast as may be considered practicable in the judgment of the Architects. He must also do all cutting and fitting that may be required.

Drawings.

241. The dimensions and general arrangement of the structural steel and iron work in this building shall be as shown on the contract drawings and set forth in these specifications. The sizes and sections called for on the contract drawings are those contained in the Carnegie Hand Book, edition of 1903, but others of equal strength for the loads to be carried in every case may, with the approval of the Architect be substituted. In general, the drawings are made to scale, but scale dimensions shall not govern. The Contractor must check all dimensions before the work is detailed to insure himself that there are no errors and no inconsistencies on the drawings. The Contractor will be held responsible for the perfect working out of all details, and no extra will be allowed because of his failure to inform himself perfectly in regard to the building.

Kinds of Material Required.

242. All beams and channels and all materials in the main columns must be made of steel as hereinafter specified. All connecting and other angles, tees and plates must be of steel. All rivets must be of steel. Tie rods, bolts and anchors may be of wrought iron. Bases under columns, wall plates and separators shall be made either of cast iron or steel, as called for by the drawings.

Beams.

243. In general, not more than 1-16 of an inch will be allowed for the clearance at each end of beams connecting to beams, and ½ of an inch at the ends of beams connecting to columns. In all cases where possible the connecting angles used must be similar to those recognized as standard by the Carnegie Hand Book, edition of 1903, and having the same number of rivets. Beams connecting to columns must have eight rivets at each end, four in the top flange and four in the bottom flange, wherever the details of the column will permit of that number.

Unless otherwise particularly noted, all beams or other long pieces of iron are shown to their approximate lengths by a single line on the floor plans.

Holes must be provided in beams for masonry anchors, wherever required by the Architects.

Shelf angles of suitable sizes must be provided riveted to the beams and girders where required to receive the floor arches.

Columns.

244. Columns must be made in lengths as indicated by the column section sheet. In general, column must be connected to column by splice plates on the side, riveted to the flanges of the channels with 16 rivets in each column in the lower stories and 12 rivets in each column in the upper stories. These plates must be ⅜ inch thick, except where the metal of the columns connected is ¾ inch thick or more, in which case the plates must be ½ inch thick.

245. Where the outside measurement of one column is less than the other, the clearance if more than 1-16 of an inch must be taken up by fillers made of 3-inch bars, punched the same as the splice plates. All columns must have ¾-inch cap plates. All columns must be milled at each end to a smooth bearing surface at right angles to the column. The number of rivets required in connections supporting beams must in no case be less than that required on the basis of the full capacity of the beam carrying an evenly distributed load.

Bases.

246. Cast iron or cast steel bases must be provided for all columns as shown on plans. These bases must conform to the accompanying drawings, and must be planed smooth on top and to the dimensions given for height. The ribs must be spaced and arranged in each case so that the entire cross section of the column will have a direct support from the bottom of the base. The holes for the bolts connecting the columns to the bases must be drilled to exact measurements after the bases are cast, and the spacing of the holes must be determined when the columns are detailed. These bases must be set by the Contractor to exact centres and to exact heights, resting on wooden wedges at the corners and must be grouted with Portland cement grout.

Separators.

247. Cast iron or riveted steel separators must be provided for all double beams as shown on plans. Cast iron separators must be not less than ½ inch in thickness, and, unless measurements given make it impossible, they must be standard.

Tie Rods.

248. Tie rods ¾ inch in diameter must be provided as shown on plans. These rods must be made with two nuts.

Bolts and Rivets.

249. Rivets must be calculated for shear at not more than 10,000 pounds per square inch of section for shop rivets, and 8,000 pounds per square inch of section for field rivets. All rivets must be accurately spaced, and no drifting will be allowed. Rivet heads must be located centrally concentric with the neck, and rivets when driven must completely fill the hole. Wherever possible, the rivets must be machine driven. Rivets must be used in all field connections where riveting is possible, and such work must be done to the entire satisfaction of the Architects or their representative. Both bolts and rivets must be ¾ inch in diameter throughout the building, except where it may be necessary to use other sizes.

Character and Finish of Steel.

250. All of the steel used in this building shall conform to the Manufacturers' Standard Specification for Steel, and may be made either by the Bessemer or open hearth process, except that the material required for riveted plate girders and trusses carrying columns must be made by the open hearth process. When tested as hereinafter specified material must comply with the following requirements:

	Med. Steel.	Rivet Steel.
Ultimate strength in pounds per square inch	60,000 to 70,000	48,000 to 58,000
Elastic limit, not less than one-half the ultimate strength.		
Percentage of elongation	1,400,000 / Ultimate strength	

Rivet steel shall be used for rivets and medium steel for all other material. All steel must present a smooth surface, free from all faults or defects of any kind, or any indication of unsoundness. Each piece must be straight, free from wind, and rolled true to size. A variation of more than 2½ per cent. in cross section or weight of rolled material from that specified will be cause for rejection. Rivet steel must stand a bending test 180 degrees flat without fracture on the outside, and must not contain more than .04 of 1 per cent. phosphorus. Medium steel must stand a bending test of 180 degrees on a radius equal to thickness of piece tested without fracture on the outside, and must not contain more than .08 of 1 per cent. phosphorus when made by the acid process, nor more than .04 of 1 per cent. when made by the basic process.

Character and Finish of Wrought Iron.

251. All wrought iron used in this building must have an ultimate strength of not less than 48,000 pounds per square inch; an elastic limit of not less than 26,000 pounds per square inch; an elongation of 20 per cent. in 8 inches. The wrought iron required for the tie rods, bolts and anchors must be so ductile that the pieces will bend cold 180 degrees flat without any indication of fracture on the convex surface of the bend. All the wrought iron must be perfectly welded in rolling, fibrous, uniform and free from all defects. Each piece must be straight and of proper section.

Character of Cast Iron.

252. All cast iron used in this building must be tough gray iron of workmanlike finish, free from cold shuts, blow holes or other serious defects. Its quality must be such that sample bars 1 inch square, cast in sand molds, will be capable of sustaining on a clear span of 4½ feet a central load of 500 pounds when tested in the rough bar. One test piece must be made and tested for every run of metal. Identification marks must be put upon all test bars and all cast bases so that it will be possible to identify the casting of every run with the corresponding test bar. Special care must be used in removing these castings from the molds to insure proper cooling and the absence of initial strains, and the practice of the foundry in this respect shall be subject at all times to the approval of an inspector. Castings weighing less than calculated weights will be rejected, but excess of weight will not be cause for rejection.

Character of Cast Steel.

253. All cast steel in this building must have an ultimate strength of not less than 60,000 pounds per square inch; an elastic limit of not less than 32,000 pounds per square inch, and an elongation in 8 inches of not less than 15 per cent. All castings must be annealed and all test pieces of steel castings must be cast as coupons and detached after annealing. All castings must be true to the dimensions given on the drawings and true to the pattern, and any castings failing in this respect on account of a shrinkage of material or otherwise, will not be accepted. The surfaces of all castings must be clean, true and even. All castings must be first-class in every respect, and the workmanship on them of the highest order.

Foundation Material.

254. All foundation material must be placed exactly as shown on drawings, and all spaces shall be filled with Portland cement concrete and grout. All foundation beams must be bedded to exact heights and to exact alignments. All grillage beams shall be clamped together and the top bearings ground true before leaving the shop.

Beam Anchors.

255. All beams bearing on masonry must be provided with ¾-inch Government anchors 14 inches long.

Wall Plates.

256. Cast iron wall plates must be provided for beams resting on masonry wherever called for on the drawings. These plates must be made with beveled edges on two opposite sides in the ordinary way and must be of the sizes given on the drawings.

Riveted Girders and Trusses.

257. All riveted girders and trusses must be made in strict accordance with the design shown on the drawings. They must be perfectly straight and all holes for field connections must be spaced to exact dimensions and on lines at the exact angles indicated.

Inspection.

258. The Contractor must furnish full and ample means for the testing of all material and for the work done in the shop, and must assist the Inspector in any part of the mill or shop where the work is being done under this contract. The inspection will be made immediately after the material is rolled and ready for shipment, in order that no delay may occur, and from every cast or run there will be made one test. These test pieces must be cut from finished material, to be at least 10 inches long between punch marks and 12 inches in length between shoulders when the piece is turned down. When possible such test pieces must be cut square with a full thickness of the section from which they are taken, the two sides being left as they came from the rolls, and having at least ¾-inch cross section. If the results of the regular number of tests as herein provided are not satisfactory, other tests must be made as the Inspector may deem advisable and all test pieces required by the Inspector must be furnished ready for testing, by the Contractor, free of cost. In addition to the tensile tests, the pieces must stand bending cold 180 degrees and flattened without signs of fracture on the convex surface of the bend. The inspection in the mill will include a complete examination of the surface of all material, and in the shop the measurement of all parts and dimensions. The inspection shall be paid for as specified hereinbefore

Erection.

259. The use of iron sledges in driving or hammering beams, columns or other structural material will not be allowed. Wooden mauls must be used. Care must be used to prevent the material from falling or from in any way being subjected to heavy shocks. The section of columns or other material must not be cut for any purpose without first obtaining the approval of the Architects. If any serious difficulty occurs during the erection it must be reported to the Architects before any measure is taken to meet it. Every failure of the material to come together properly must be reported to the Architects.

Sufficient temporary bracing must be put on each floor to keep the work plumb and securely braced in position until it is all riveted up, and as long and as much as the Architects may require.

As the elevators are to be installed under a future contract, the framing of the beams forming the shafts, with connections, shall be field framing and shall not be done until notified by the Architects. The framing of the elevator shafts must be carefully plumbed every two (2) stories and if found to be more than one-quarter inch out at such plumbing, the framing shall be changed.

Shop Details.

260. The Contractor shall make the shop details for all structural work and shall submit same to the Architects for approval before starting the work. Copies of the shop drawings shall be left with the Architects as specified under "General Conditions."

Cutting, Tapping, etc.

261. The Contractor shall do all cutting, drilling, punching and tapping of structural steel and iron work necessary to accommodate all work, and he shall furnish all necessary tap bolts required for securing all work.

Painting.

262. All steel and ironwork must receive one coat of paint before it is taken from the shop or exposed to the weather. Covered surfaces, surfaces in contact, surfaces inclosed and all parts of riveted members must receive one coat of paint after the pieces are punched and before they are assembled. All bolts must be dipped in paint before they are put in place. This shop coat shall be composed of pure red lead (dry) and seasoned cold-pressed linseed oil, mixed in a revolving churn or by other satisfactory mechanical means and in the proportion of 25 pounds of lead to one gallon of oil. The dry pigment must be of the best quality, free from all adulterants, and contain at least 90 per cent. of true red lead (Pb_3O_4)—equivalent to 31.4 per cent. of lead peroxide (PbO_2), the balance to be practically pure lead monoxide (PbO). It must contain less than 0.1 per cent. of metallic lead, and be of such fineness that not more than 0.5 per cent. remains after washing with water through a No. 21 silk bolting cloth sieve."

The dry lead and oil shall be brought on the work in their original packages and mixed immediately before using. Not more than 110 pounds of lead shall be mixed at any one time and this shall be entirely used before another batch is mixed. This shop coat must not be applied over loose scale or initial corrosion if the scale has not fallen off or if rust has formed, it must be removed with a stiff wire brush.

263. After erection all steel and ironwork shall be painted a second coat of paint. This field coat shall conform in all respects to the shop coat specified above, except that sufficient pure lampblack or other inert pigment to be approved shall be added to give enough variation in color to make the field coat readily distinguishable from the shop coat. All paint shall be subject to analysis from time to time as the Architects may think necessary.

264. All brushes used in painting must have stiff bristles and short handles. The use of long-handled brushes will not be permitted and no spraying will be permitted.

Painting must always be done on dry surfaces and, preferably, on warm ones. Mud, grease and dirt of every kind must be removed before painting.

MISCELLANEOUS IRON WORK.

General Requirements.

265. All requirements as to steel, riveting, wrought and cast iron, contained in the structural steel specification, shall hold good for this specification.

266. All castings shall be made of the best quality tough gray iron, of sufficient thickness of metal and uniform in thickness throughout. They shall be made with care, straight and true to pattern, with smooth faces, clean, sharp arrises and sharp, well defined moldings and ornament. All castings shall be entirely free from any and all defects which impair, in the opinion of the Architects, their strength, durability and appearance. All castings shall have joints filed to a close fit, all exposed joints lapped flush, with all bolt and screw holes drilled and not cored, and countersunk flush. All miters in cast work shall be cut and filed smooth, the fit to be perfect. The cast work throughout shall be fitted together without shoulders or breaks. All cast work shall follow closely the full size details. All cast work shall be cast with lugs as may be required for the connection of other work to same, for connection of the parts and for anchorage to masonry. All parts in cast work shall be put together in red lead paste, and where exposed pointed and filled flush with best quality elastic cement.

267. All wrought iron used shall be of the best quality forge iron, tough, ductile and fibrous in character, and of even texture. All wrought iron shall be forged, smooth finished, the parts welded where required and all rivets shall have countersunk or cup heads as required. All welding shall be clean and perfect. The members in wrought work must be tenoned or riveted together and not tool set. The treads and platforms of all stairs shall be protected by No. 10 gauge steel undertreads covering the entire tread and platform in every case and bolted to strings and risers. The wall strings of stairs must be secured to brick walls at intervals of 6 feet by expansion bolts and to hollow tile partitions by wrought iron hangers.

268. The marble work of stairs will not be in this contract, but proper supports for same must be provided on all stairs.

Stairs.

269. The rough strings, undertreads and wall supports for the finished marble work of the stairs from the first to second stories in the north and south entrance halls shall be furnished and set under this contract. The strings shall be built-up steel strings consisting of heavy steel plates with angles and cover plates riveted to them at top and bottom, the strings to be riveted to the framing of the floors where possible. The strings of the upper flights shall be bent to form the platform frames and be built into and anchored to the west walls, and the strings of the lower flights shall be similarly treated. For all risers frame in channel beams with plates to carry the risers and treads framing them to the strings with riveted connections. Frame for all platforms to conform to the above. Strings against masonry walls shall be secured to them at intervals of 6 feet by expansion bolts. Provide the undertreads and platforms as specified before and also all lugs or angles necessary for the support of the finished marble work. Also, for the two sets of stairs in the main stair halls in the second story leading to the side halls furnish and set strings, undertreads, etc., to conform to the above.

270. The four (4) sets of stairs from the second to the twenty-fourth floors, inclusive, and the north and south stairs from the twenty-fourth to the twenty-sixth floors, inclusive, shall be of cast iron, including the newel posts, all made as per the detail, except that the railing or balustrades will be omitted from this contract.

271. The strings shall be of cast iron of a minimum thickness of ¾ inch, the face string shall be molded and paneled and ornamented as indicated on the detail. The fascia in all wells and on all landings or platforms shall match the face string and shall be carried approximately 4 inches above the floors. The wall string shall be molded and paneled on the undersides and angles bolted to them to carry the treads. Strings shall be cast with the necessary lugs to receive risers and treads and shall be of sufficient width on top to receive the railings. Wall strings shall be hung from hollow tile partition at 6-foot intervals by wrought iron hangers. Face strings and fascia shall be bolted to the framing. Frame all platforms, using T-irons resting in sockets cast on the strings and risers. The risers shall be of heavy cast iron paneled and the treads and platforms provided with undertreads as specified before. The newel posts shall be of cast iron with ornamental panels, molded and ornamental base, neck mold and ornamental molded cap with top ornament and with ornamental drops below floors. The thickness of the floor under the rising flight in each case shall be covered with a paneled cast iron fascia to match the well fascia.

272. The central stairs from the twenty-fourth to the thirty-sixth floors, inclusive, shall be of cast iron and shall conform in construction to the stairs from the second floor up, except that where the stairs are inclosed on both sides, both strings shall be wall strings anchored to the partitions.

273. The circular stairs from the thirty-sixth to the thirty-ninth floors, inclusive, shall be built on an iron pipe cylinder riveted to the framing. The risers shall be of heavy cast iron paneled and cast with collar to fit over the cylinder. The strings shall be of plate iron with applied moldings at top and bottom with cover plates and with angle lugs to receive risers and treads. Strings shall be bolted to the framing and newel posts provided and set to match those specified for the lower stairs. The well fascia shall match the strings and be carried about 4 inches above floors finishing with a channel or other member to receive the railing and the floor thickness under the stairs shall be covered with the fascia. Provide and set the undertreads as specified before. The railings shall consist of ¾ inch squares 3 inches on centres, encircled at top and bottom, with a simple ornament, and be tenoned into ⅜ inch by 1½-inch top and bottom members, the bottom member to be bolted to the strings and the top tapped to receive a wood rail which will be set under a future contract.

274. The stairs from the sidewalk down to the gallery in the boiler room shall be of reinforced concrete as specified hereinbefore.

275. All other stairs furnished and set under this contract and which are listed below shall be constructed as follows:

The face strings shall be of plate steel with angle lugs riveted to them to receive treads and risers, wrought iron mouldings applied to same on the outside at top and bottom and a continuous angle riveted on the inside at the top of the string with a cover plate which shall be wide enough to receive the railings in every case. The wall strings shall be channel irons with angle lugs riveted to them as specified above. The fasciae of the wells and platforms shall match the face strings and the thickness of the floors under rising flights shall be covered with sheet steel of thickness to match the fasciae. The fascia around walls shall be carried about 4 inches above the finished floor and shall be finished with an inverted channel of similar construction to receive the railings. The risers shall be heavy sheet steel with stamped panels, the treads and platforms covered with under treads as specified before and the entire surface of treads and platform covered with the steel lead filled safety tread of make to be approved. In addition, at the head of the stairs set a safety tread with nosing, the strip to be not less than 6 inches wide. Strings shall be bolted to the frame, except where they rest on concrete work where they shall be secured by expansion bolts and the wall strings shall be secured to the walls as specified hereinbefore. The newels and railings shall be as noted in the description below and they shall be carried in every case around the well of the stairs.

276. The following stairs shall be furnished in accordance with the foregoing description:

The stairs from the west side of the basement down to the pump pit. The railing on the stairs and around the well in the basement shall consist of ¾-inch squares spaced two (2) to a tread and equally distant around the well, each member to be encircled at top and bottom by a simple iron molding and the railing to be capped by a channel and 1½-inch brass pipe. The newel posts shall be 2-inch twisted bars with a simple cap molding and brass ball top.

The two flights of stairs from the west side of the basement up to the mezzanine story. The railings shall be pipe railings made as specified hereinafter and the posts at the bottom and top of the stairs shall be capped with brass balls.

The stairs from the boiler room up to the gallery. The railings in this case shall be pipe railings with brass ball tops on the posts at top and bottom as specified above.

The stairs from the mezzanine story up to the north entrance hall, located between columns 46C and 47C. The railings shall conform to that specified above for the stairs to the pump pit, except that paneled newel posts of cast iron with molded bases and caps and simple drops must be provided at all turns.

The stairs in the mezzanine story leading to the high floor at columns 112C and 117C. The railings to be iron pipe railings with brass ball tops on the posts at top and bottom.

The stairs on the south wall of the mezzanine story at column 227. The railings to be iron pipe railings with brass ball tops on posts at top and bottom.

The stairs leading to the various levels in the two elevator machine rooms in the twenty-fifth and twenty-sixth stories and also the stairs in the rooms leading to the fan rooms. The railings in all cases to be pipe railings with brass ball tops on the top and bottom posts.

277. In addition, in the wells of all stairs in the north and south concourse leading down to subway and also in the well of the subway stairs in the east sidewalk, furnish and set an angle iron of proper size tapped to receive the cast-iron fascia which will be provided under a later contract. The angles must be property connected to the framing by brackets. All connections shall be riveted.

Cast Iron Window Frames.

278. The windows in the twenty-first, twenty-second and twenty-third stories and in the twenty-fifth, twenty-sixth and twenty-seventh stories on the west side as indicated on the drawings, shall be provided with heavy molded cast-iron frames with mullions made as per the detail. The frames and mullions shall be paneled pilasters with molded and ornamental bases and caps with heavy panels extending from the head of the windows on the twenty-first floor to the sill of those on the twenty-second floor, and a molded architrave, frieze and molded cornice with dentil course and ornamental antefixa above the windows on the twenty-second floor. The head of the twenty-third story windows shall be carried out and up to the granite work. The frames shall be provided with sills with a wash and with flange to fit in grooves in the window frames. The frames shall be secured to the masonry by built-in anchors at not over 7 foot intervals, and the mullions shall be reinforced with rolled steel, and in addition rolled steel members must be provided back of the panels to carry the 8-inch brick walls. The frames must be provided with cover joint moldings and they must be made weather tight by calking.

279. The frames on the twenty-fifth, twenty-sixth and twenty-seventh stories shall conform to the above description.

Fascia Railings.

280. The Contractor shall furnish and set the iron fascia and railings called for in the following description:

The fascia shall be built of plate steel, applied wrought-iron moldings at top and bottom with the necessary horizontal extension pieces and with an angle riveted to

same on the soffits to properly finish under the floor arches. On top an inverted channel must be provided and secured to the extension of the fascia, the channel to be wide enough to receive the bottom flange of the pipe railings and it shall extend below the finished floors on the inside. The fascia must be riveted or tap screwed together, using countersunk heads, and be bolted to the framing in every case.

281. All pipe railings shall consist of a 1½-inch top rail, 1½-inch posts spaced nowhere over 6 feet apart, a 1¼-inch intermediate rail and all necessary ball form malleable iron screw fittings. The floor fitting shall be flanged and shall be bolted to the iron fascia in every case. All special formed fittings involved in the work must be provided by the Contractor. All fittings shall be screw joints with the thread in no case exposed. Where railings butt against vertical surfaces, fittings similar to the floor flanges shall be provided and secured to the masonry by expansion bolts. Where noted in the specification for stairs, railings shall be provided with brass ball tops.

282. The fascia and railings must be provided for the spaces noted in the following description:

Around the pump pit in the boiler room and down the stairs leading to same.

Around the two open wells in the west side of the mezzanine story.

The raised floor in the mezzanine story between columns 116-D and 117-C and on the opposite end of this space between columns 112-C and 114-D.

The raised floor at the south end of the mezzanine story running from column 228 south.

Around the gallery in the boiler room at the mezzanine level.

For the free edges of the mezzanine story for heating apparatus under the south entrance hall fascia only.

Fascia and railing around the fresh air shafts in the fresh air intake rooms in the fourth story.

Around the entire floor space in the two tank rooms in the twenty-sixth story.

For all floors at the various levels in the elevator machine rooms in the twenty-fifth, twenty-sixth and twenty-seventh stories.

Where indicated in the two elevator machine rooms they shall be arranged to be readily removable.

283. In addition, in the thirty-fifth story between the stone columns furnish and set a wrought-bronze railing consisting of 1½-inch squares 4 inches apart tenoned into ¾-inch by 2-inch top and bottom members, the top member to be capped by a rolled bronze rail. The top and bottom members shall be cold leaded into the stone work or secured to same by bronze expansion bolts.

284. Around the two vent shafts in the sidewalk from subway furnish and set a lattice form railing of wrought bronze of pattern indicated on Section QR. The posts shall be 4-inch square paneled posts with molded caps and bases and top ornament. The railings shall be of molded drawn bronze and the spaces between the posts filled with wrought lattice work with heavy bottom member, the work to be riveted to the posts. Connections with stone work must be done by cold leading or by the use of bronze expansion bolts.

285. Furnish and set triangular paneled members of heavy cast iron for the head of the stairs from the sidewalk to the boiler room. They shall extend from the wall of the lift shaft south to the beginning of the stairs, shall be provided for both sides of the well and a suitable connection must be made with the granite coping, reinforced concrete stairs and the enamel brick wall. Any necessary braces or ties to the structural work must be provided by the Contractor.

Lift Saddles and Hangers.

286. Furnish and set for all doors in the two lift shafts saddles with grooved tops, proper extensions into the shaft and flanges to fit down over the shaft walls. They shall be bolted to the framing or secured to masonry by expansion bolts. The Contractor shall provide guides for the doors. Also, furnish and set for the above doors, except that at the street level in the concourse, ball-bearing hangers of the Reliance or McCabe make, or an equally good heavy hanger, securing them by expansion bolts. In the street level saddles shall be of cast bronze, elsewhere of cast iron.

Grilles.

287. For all windows in the north and south concourse, those in Chambers street, and the small windows in the west wall at street level, furnish and set wrought-bronze grilles. They shall be square basket pattern grilles of 1-inch bars let through one another, the bars to maintain their line and full section throughout. The plane of the grilles shall be outside the wall and the bars shall be turned in at the ends and built in the stonework with simple collars at the junction with the stonework. The above grilles shall be built in as the stonework is being set.

Iron Doors.

288. The two (2) doors to the coal storage room shall be built of No. 10 sheet steel riveted to angle irons and cross-braced as required. Provide box frames built up of angle and plate steel, securing them to the masonry by expansion bolts, and arrange the doors to slide up, balancing them by lead weights and bronze chains over heavy cast pulleys, and equipping the ends of the doors with brass friction rollers. Provide and set a stop at the head and equip each door with heavy bronze lifting handles.

289. The door to the coal bin from the gallery in the boiler room shall be similar to the above, except that it shall be hung by wrought-steel hinges from an angle iron frame secured to the masonry by expansion bolts and the door shall be equipped with best quality heavy rim lock with brass knobs and key.

Cast Iron Frames and Covers.

290. All coal holes in the sidewalks shall be provided with heavy cast-iron frames and covers. The frames shall be of the rabbeted and flanged type to rest on the arch, and with a flange to fit into the coal slides specified below. The covers shall have checkered tops and shall finish flush. Frames and covers shall be of form to be approved.

From the coal holes carry chutes or slides to the points indicated, ending them with an elbow and open end reinforced with angle iron. They shall be built of ¼-inch steel riveted together, bolted to the flange of the coal hole frame, and hung in addition from the sidewalk framing with all braces required for stiffness.

291. For all receiving or catch basins outside the building furnish and set heavy cast-iron covers and wrought-iron gratings to conform to the requirements of the department having jurisdiction.

292. For the sewer manholes provide heavy cast-iron checkered top covers which shall be of type to meet the requirements of the department having jurisdiction.

293. For all pits and trenches in the basement floor specified under Mason Work provide and set cast-iron frames and covers, the covers to be provided with heavy iron recessed rings for lifting and with checkered top surfaces. The frames must be rabbeted and set flush with the floor and shall be cast with a shoulder to fit over the trench wall.

Cleanout Doors.

294. For all openings in the horizontal smoke connection to the boiler flue, and also at the foot of the boiler flue, furnish and set heavy cast-iron frames and hinged doors providing them with a proper latch.

Lockers.

295. Furnish and set in the engineer's toilet in the mezzanine story steel lockers of size indicated on plan and 72 inches high. They shall be constructed of 16 and 18 gauge steel, be provided with suitable legs and the doors shall be perforated for ventilation. The doors shall have brass numerical tags, bronze lock with key and each locker shall be supplied with one shelf and two bronze hanging hooks. All connections in the work shall be riveted and the lockers shall be finished in two coats of black japan baked on at 400 degrees Fahrenheit. The lockers shall be the best make of the Narragansett Machine Company, General Fireproofing Company, Edward Darby & Sons Company, Durand Steel Locker Company, or equally good lockers.

Gratings.

296. In all elevator shafts under the sheaves furnish and set gratings composed of ⅜-inch by 1½-inch bars 1½ inches apart tenoned into ½-inch by 2-inch bar frames which must be riveted to a channel beam frame in the shaft which in turn must be braced and riveted to the framing of the building. The finish on the shaft walls and the Portland cement mortar of the machine room walls shall finish against this channel frame. Frame in the gratings for the openings for cables, counterweights, etc. Provide and set an angle for the shafts in the twenty-fifth and twenty-sixth floor rooms, riveting same to the framing and finishing it under the steel floor plates specified herein. Elsewhere at the tops of the elevator shafts furnish and set an angle and plate fascia to finish flush with the floor, bolting it to the floor framing. Block up as may be required for the beams supporting all elevator machines.

297. In the two vents from the subway in the sidewalk furnish and set similar gratings, except that the bars shall be spaced 2 inches apart. The gratings shall be flush with the top of the stone coping. In the west sidewalk over the existing subway, furnish and set gratings composed of 2¼-inch by ⅛-inch medium steel bars riveted together and made as per drawing No. 1034, File No. 4, of the Public Service Commission. The gratings shall be set in and bolted to cast iron frames, which shall be similar to those used in the adjoining vault lights, that is, of the flange type, and the divisions in the vault light frames shall be carried through in the frames for the gratings.

Elevator Pits.

298. Cover the bottom of all elevator pits with ⅜-inch plate steel riveted to an angle iron frame and the whole bolted to the framing of the pit. Also, provide and set a similar construction to carry the floor in the north and south elevator halls in the first story over the ducts supplying the registers in the mullions of the elevator enclosures. This work shall be riveted to the framing of the floor.

Steel Safes.

299. Over all switchboards furnish and set safes about 18 inches wide by the length of the switchboard plus 2 feet, with 3-inch high sides. They shall be built of 3-16-inch plate steel riveted together and reinforced by angle irons and hung from the framing of the floor above. They shall drain to one point where place a brass strainer and carry down a 1-inch galvanized iron pipe with malleable iron fittings and screw joints set in red lead. Discharge the pipes through elbows on to the floor, protecting the outlets with flap covers.

Steel Floors.

300. The floors of the elevator machine rooms in the twenty-fifth and twenty-sixth stories and the floors of all levels or galleries in same shall be finished with ⅜-inch thick diamond top pressed steel floor plates bedded full in Portland cement mortar and secured to the framing by countersunk head tap screws at not over 12-inch intervals. The plates shall be laid with a butt joint over the centre of each beam and they shall be in the largest practicable widths. At the shafts they shall be carried over to finish flush with the angle iron fascia and on all other walls they must be butted close to a channel iron base which must be bolted to the framing. The channel shall finish not over 6 inches above the finished floor.

Supports for Lamp-posts, etc.

301. The Contractor shall furnish and set all structural steel work necessary for the support of all receiving or catch basins outside the building walls and all lamp-posts and fire hydrants within the lines of the curbs. The framing shall be heavy enough to carry the load entailed in each case, shall be approved by the department having jurisdiction and it shall be secured to the framing of the building by riveted connections to conform to those specified under Structural Steel.

Tank Supports.

302. For all water tanks setting in safes the Contractor shall furnish all steel beams, struts or other supports which may be required to support the tanks, and also the necessary beams to support the safes above the finished floors.

Skylight Curbs.

303. For all skylights furnish and set angle-iron curbs riveted together and tapped to receive the skylights.

Track and Trolley.

304. In the two (2) elevator machine rooms in the twenty-sixth story the Contractor shall furnish and set an I-beam track and a geared trolley of make to be approved by the Architects. The track shall be of length as shown on plan and be secured to the framing work by riveted connections. The installations shall include heavy steel pulleys with all necessary chain, the ends of which shall be fitted with a heavy hook. The device shall be guaranteed to lift a load of eight (8) tons without deflection. It shall be so tested by the Contractor. Over each of the shafts pairs of channel beams are shown on the steel drawings placed back to back with spaces between. These beams shall act as tracks and the Contractor shall provide for each, ball-bearing travelers with heavy steel hook ends to drop below the bottoms of the channels, the travelers to be capable of sustaining the load specified above.

Iron Bucks.

305. For all openings in hollow tile partitions furnish and set bucks of channel iron consisting of side members with head and foot pieces riveted to same. The side members to extend from floor to ceiling and be riveted to the framing.

Angle and T-iron Framing.

306. Over the expansion loops of the steam risers in the floors where indicated on the heating drawings and also over the ceilings of the two (2) fresh air chambers in the mezzanine story and the two (2) fresh air intake rooms in the fourth story, the Contractor shall frame to carry the book tile specified hereinbefore, using angle and T-irons properly spaced and secured to the framing of the floors. The framing for the ceilings of the fresh air intake rooms and the fresh air chambers shall be hung from framing above. All connections in the work shall be riveted.

Lintels.

307. Over all openings in exterior walls and interior brick walls the Contractor shall furnish and set rolled steel lintels of suitable size to carry the loads in each case. They shall be built up of rolled members and plates riveted together. Where the furring is shown to be applied directly on the wall the plate member must be extended to carry same, but for free standing furring lintels will be provided under a later contract. Also, furnish and set angle-iron lintels over ducts or pipes passing through hollow tile partitions built under this contract.

Ladders.

308. Ladders shall be constructed with ½-inch by 4-inch side bars with angle lugs riveted to same to receive the treads. The treads shall be 4-inches wide heavy checkered top cast iron. The side bars shall be bolted to the framing members at top and bottom and the ladders shall be provided with ¾-inch round guard rails riveted to the side bars at top and bottom and braced back to same once in their height. Side bars in contact with masonry must be anchored to same by expansion bolts.

309. Laders to conform to the above shall be installed in the mezzanine story near column 105, and also near column 333, for access to the mezzanine story for heating under the south entrance hall.

310. Furnish and set a ladder in the coal room from floor to ceiling. It shall consist of ¾-inch rounds bent to form and with flattened ends built 8 inches into the brickwork and the ends turned down. They shall be spaced 13 inches apart.

Supports for Terra Cotta.

311. All anchors, rods, ties and other metal work necessary to secure the ornamental terra cotta in position shall be provided by the Contractor and shall be of form and quantities as will be detailed. For the ceiling over Chambers street this item shall cover all supporting steel necessary beyond that shown on the framing drawings. Each piece of terra cotta in the ceiling must be hung from above and the supporting steel furnished by the Contractor must be bolted to the structural steel of the building.

Window Cleaning Bolts.

312. For all exterior windows above the street level the Contractor shall furnish and set bronze safety bolts for window cleaning of the Standard Safety Window Guard and Lock Door Company, the Perfect Safety Window Guard Company, or an

equally good make, building them into the masonry and securing them to iron frames and mullions by bronze bolts.

Lift Covers.

313. The sidewalk lift and the spaces on each side of same, as shown on the plans, shall be provided with heavy cast iron rabbeted and flanged frames and covers of ⅜-inch plate steel riveted to angle irons, all made as per detail. The covers shall be secured to the frames by brass hinges and the frames shall be anchored in place. The frames shall fill the entire space between the doors. The covers shall be operated by ratcheted segments with worm gear control to be operated from the boiler room gallery.

Boiler Flue.

314. Build the boiler flue of ⅜-inch plate steel riveted together, the rivets to be spaced 2½ inches on centres. The flue shall be supported at every other story by steel I-beams built in the masonry with iron bearing plates, and flanges must be riveted on the stack for connection at the bearings. At the bearing points proper expansion joints must be made. Rivet flanges as required for the support of the non-conducting covering, for the smoke connection and for the cleanout door. Make the offset in the twenty-fifth floor as shown on drawings, supporting it in accordance with the above and continue the flue to the height shown, reinforcing the top edge. Provide a flange above the stone cap with a cowl of ⅛-inch iron reinforced at the outer edge and braced back to the stack, and in the masonry opening provide a frame of plate iron with flange to rest on the stone cap.

Anchors, Bolts, etc.

315. The Contractor shall furnish all steel and ironwork mentioned in the mason and fireproofing specifications, and also all anchors, bolts, cramps, dowels, lead, etc., specified in cut granite work. The above shall include the safety treads for the boiler pit and exterior boiler room stairs, all column and wall anchors, ties, bonds, etc., and iron pipe collars for all pipes, conduits, etc., passing through retaining walls, and also iron sleeves to be built in floors, walls and partitions for any piping, mail chutes, etc., to be set under future contracts. He shall also furnish any anchors required for rough frames in carpentry work, the cast iron guards at the foot of the elevated columns specified hereinbefore, the cast steel sockets for the street light poles, and all steel framing required for the support of the street lights, receiving basins, manholes, etc. All framing shall be governed by the requirements specified under structural steel.

Cutting.

316. The Contractor shall do all cutting, fitting, tapping or drilling to accommodate all work, and he shall furnish the necessary tap bolts for the connection of same.

Painting.

317. All steel and ironwork, except the boiler flue, shall be painted to conform to the specifications for painting under structural steel.

The boiler flue shall be given two coats of an approved brand of smoke-stack paint.

VAULT LIGHTS.

General Requirements.

318. All vault lights shall be a reinforced concrete construction using 2½-inch circular arch lights with each light encircled by a ⅛-inch by ½-inch lead ring to finish flush with the finished surface.

All reinforcing steel used shall conform to the requirements for steel specified under structural steel.

All cement shall be Portland cement of quality to meet the tests specified under materials in mason work. All sand shall be clean, washed, silicious sand, free from salt, loam or other impurities. The mixture used shall be in the proportion of one (1) part Portland cement to two (2) parts of sand, and shall finish in color to match the adjoining granolithic work.

All glass shall be pure crystal glass thoroughly annealed, clear and tough and free from shaling.

319. Expansion joints carried down to the steel beams or concrete stiffeners and made with "Minwax," or an equally good plastic bituminous material, shall be provided in each direction at intervals of not over 10 feet. Rib form reinforced concrete stiffeners shall be built as often as may be necessary. The soffits in all cases shall be rubbed smooth after the removal of the forms.

The junctions between the vault lights and other work shall be made weathertight by calking with clean picked oakum and the plastic material specified before. All vault lights shall be set to grades as per the drawings.

320. The Contractor shall obtain from the drawings the position of all structural steel members in connection with the vault lights, as he will be required to work to same, and all iron or concrete blocking, extensions, brackets, bolts, etc., necessary to the completion must be furnished and set by him. All such iron work must be bolted to the framing, and the Contractor must submit his method of blocking, etc., to the Architects for approval before starting the work.

321. All wood forms and supports required in the work must be provided and set by the Contractor. Any voids discovered on removing the forms must be filled immediately with mortar mixed in the proportions of that used in the vault light construction. All sidewalk lights shall be able to carry a live load of 300 pounds per square foot without deflection.

322. The Contractor shall provide and set to enclose the panels of vault lights flanged cast iron frames, bolting them to the framing, the frames to finish flush with the vault lights.

Guarantee.

323. The Contractor shall guarantee the vault lights against any and all defects due to defective material or workmanship, and to be watertight for a period of two (2) years from the acceptance, and should they in any instance fail, he shall, on notification, renew same, together with all adjacent work damaged by such renewal, without cost to the City.

INTERIOR STONE AND SLATE WORK.

Quality.

324. All marble shall be of the best quality of well seasoned selected stock of even texture, free from all imperfections and equal in all respects to C. F. Italian marble. All slate shall be of the best quality black slate, free from ribbons, streaks or other imperfections. All marble shall be dressed hone finished. All Alberene stone and slate shall be dressed rubbed.

Cutting.

325. The Contractor shall do all cutting, drilling and fitting to accommodate all work. Perforations for registers shall be rabbeted.

Measurements.

326. The contractor shall take all measurements for this work at the building and shall provide all necessary templates, forms, etc.

Setting Materials.

327. The Contractor shall furnish all setting materials, such as brick, cements, plaster of paris, lime, etc., required in setting the work, and shall furnish and set all anchors, cramps, pipe standards, angles, dowels, pins, etc., necessary to secure the work in place. All setting must be done in the best and most workmanlike manner. Wainscot slabs shall be anchored to the walls by copper wire anchors at least four to each slab and plinth blocks shall be similarly anchored. Metal work shall be of brass, and where exposed it shall match in finish the metal of the plumbing fixtures.

328. The pipe standards shall be heavy box flange with flange base and bottom dowel and shall be bolted through the marble. A leeway of ¼ inch must be allowed in the screw connection of bottom flange without exposing the thread, to allow for inequalities of the floor.

Wainscot.

329. The engineer's toilet in the mezzanine story shall be wainscoted to a height of 6 feet 10 inches above the floor in Alberene stone, including the spaces back of the lockers, using 1 inch stock in slabs of an average of 4 feet wide with 6-inch by 1¼-inch plain architraves for the door. The wainscot to rest on a 2-inch high cove base carried 1 inch below the floor, which shall be returned on the architrave at the door.

Water-closet Partitions.

330. Furnish and set the partitions enclosing the water-closet compartments in the Engineer's toilet in the mezzanine story. These shall be Alberene stone, the sides of 1¼-inch stock 6 feet high, and the fronts of 2½-inch stock grooved to receive the sides. The fronts shall be carried on brass pipe standards 10 inches high, of type specified before, and the back end of partitions shall be received in brass box members bolted to the wainscot. The partitions shall be capped with a 3-inch by 2-inch cap grooved to receive the partitions and fronts and carried across over all doors. The cap member shall be dowled to the uprights, and the sides must be secured to the wainscot by brass knees. The water-closet compartments must be lined with Alberene stone to match the wainscot specified before.

331. The shower compartments shall be enclosed with partitions as specified for the water-closet compartments, except that they shall be carried down to 1 inch below the finished floors and a riser shall be provided across the entrance, and a countersunk and drained safe of 2-inch stock provided for the full area of the compartment. The shower compartments shall be lined with Alberene stone to conform to the specification for wainscot, the work to be carried down to the safe.

Urinals.

332. Furnish and set for the urinals in the Engineer's toilet a 1¼ inches thick countersunk safe of marble, and partitions of Alberene stone 5 feet 6 inches high, with rounded corners. The inside partition shall be of 1-inch stock carried down to the safe, and the outside partition of 1¼-inch stock carried down to 1 inch below the finished floor. The lining of the urinal compartment shall be Alberene stone, to conform to the specification for wainscot, except that it shall stand away from the wall for a pipe space, and a simple cap of 1-inch stock shall be provided to cover same.

Floor Slabs.

333. For all water-closets in the Engineer's toilet furnish and set 1¼ inches thick, pedestal form, marble floor slabs. For the slop sink in same furnish and set 20-inch by 20-inch by 1¼-inch marble floor slab.

Plinth Blocks.

334. For all doors in the tank rooms on the fourteenth, twenty-sixth and thirty-fifth floors, and in the elevator machine rooms on the twenty-fifth, twenty-sixth and thirty-ninth floors furnish and set 6-inch by 7-inch by 1¼-inch plinth blocks of slate.

Trench Covers.

335. Furnish covers of slate ⅝ inch thick for any pipe trenches required in the floor of the Engineer's toilet and in rooms above the street level specified hereinbefore, to be finished in granolithic.

Saddles.

336. For the door leading to the Engineer's toilet in the mezzanine story, furnish and set a molded saddle of marble of 2-inch stock. Also furnish and set similar saddles of slate for the doors to the fresh air chambers in the mezzanine story, that leading to the boiler room gallery, that leading to the mezzanine for heating apparatus under the elevator hall that leading to the stairs to sidewalk from boiler room, those to the fresh air intake rooms in the fourth story, those to and in the elevator machine rooms in the twenty-fifth and twenty-sixth stories, and those to the tank rooms in the fourteenth, twenty-sixth and thirty-fifth stories.

TILING.

General.

337. All floor tile shall be the best quality of white hexagonal vitrified ceramic tile of 2-inch size. They shall be laid in Portland cement mortar with full joints, and the floor thoroughly cleaned at completion. The concrete filling or base shall be leveled to receive the tiling, approximately 1 inch below the finished surface.

Work to be Done.

338. The Engineer's toilet in the mezzanine story shall be floored in tile to conform to the foregoing requirements.

KALAMEINED WORK.

General Requirements.

339. All kalameined work shall be of the best type of make to be approved by the Architects. All kalameining shall be done in 16-ounce cold rolled copper, and the metal shall cover all exposed surfaces of doors, frames, sash and other work, and shall be carried under back edges at least ⅜ inch. All moldings shall be drawn over hardwoods, all other work over clear white pine. All exposed wood shall be primed with one coat of red lead before leaving the shop.

All kalameining shall be done from details to be given later, and no extra charge will be allowed for new dies for moldings, etc. The frames, moldings, etc., shall be as detailed and approved by the Architects.

340. Double-hung window frames shall be of sizes as specified hereinafter and shall be made with pockets secured by screws for access to the weights. All frames shall be provided with molded and rabbeted sills. The stiles and rails of doors and sash must be joined by a mortise and tenon glued in, and, in addition, secured by long screws through the stiles in each case. The metal must be turned in and tacked down at the junction of stiles and rails and the joint soldered and made weathertight.

341. All doors shall be so constructed that with the moldings removed no portion of the wood will be exposed. All miters in trim must be splined and glued and secured on backs in addition by miter brads.

342. Double-hung window frames shall be constructed with 1⅛-inch outside casings, ⅞-inch inside casings and back linings, 1⅛-inch pulley stiles and yokes, except for sash over 3 feet wide, where they shall be 1⅜ inches thick and ½-inch parting strips and pendulums, and sills out of 3-inch stock.

The parting strips of double-hung window frames shall be fitted with a brass strip 1 inch by ⅛ inch thick, to fit in a groove in the sash and to act as a weather strip.

Casement frames on the exterior shall be rabbeted out of 2½-inch stock, and in the interior out of 2-inch stock.

343. Doors shall be provided with 1⅛-inch by 6-inch simple kalameined trims on both sides. Door frames shall be rabbeted out of 2½-inch stock for exterior doors, and 1½-inch for interior doors. Interior doors shall be 1⅞ inches thick, exterior 2⅜ inches thick, and they shall be fitted with molded panels.

344. Provide molded kalameined stop beads for all sash, those at the heads of windows to extend out to meet the upper sash. Frames in brick walls shall be built in, those in stone walls to be built from measurements taken after the stonework is set, and they shall be securely anchored in place and be calked as specified hereinafter. All window and exterior door frames shall be provided with molded hanging stiles.

345. All sash under 3 feet wide and not over 4 feet high shall be 1⅞ inches thick; all others shall be 2⅜ inches thick except where over 4 feet 6 inches wide, where they shall be 2⅝ inches thick. Sash 4 feet wide and over shall be fitted with a ¾-inch by 1¼-inch by 1-16-inch brass angle on the meeting rails set flush and with bronze friction rollers on the ends. The sash in double-hung window frames shall be hung by the best quality bronze chain over heavy roller bearings, bronze metal faced, overhead cast pulleys with bronze sash stops and properly balanced by lead or iron weights. The door at street level to the southwest lift shall be balanced to conform to the above.

346. All finishing hardware specified hereinafter, such as butts, locks, fasts, etc., shall be fitted and set by the Contractor.

347. All sash, except where wire glass is specified in the description, shall be glazed with the best quality of American plate glass ¼-inch thick, free from waves, blisters, bubbles and defects of all kinds.

348. Wire glass shall be of the standard thickness and of the best manufacture in which the wire is in a plane equi-distant from both faces of the glass, and the glass shall be set with the twist of the mesh in a vertical position. All glass shall be bedded in putty and be back-puttied and be secured in place by kalameined moldings and brass screws. Putty shall be Jacob Marks putty composition, H. B. F. Kuhls seam composition, or an equally good material.

349. After the frames are set the Contractor shall calk same, using clean picked oakum and making them wind, dust and weatherproof.

Work to be Done. Window Frames.

350. All window openings in Chambers street, in the north and south concourse, and in the west wall in the street level, and all exterior window openings above the street level, including those in the exterior walls of roof houses, deck houses and in the tower, shall be provided with kalameined frames and glazed sash to conform to the foregoing requirements. For all openings in the fourth story, in the twenty-sixth story in the tower, in the north and south windows in the tower in the twenty-fifth story, the frames in the elevator machine rooms in the twenty-sixth story behind all louvred openings, and the windows in the drum in the thirty-sixth, thirty-seventh, thirty-eighth and thirty-ninth floors, shall be casement frames, elsewhere they shall be double-hung. The window openings in the mezzanine story in the boiler room wall and in the partition adjoining column 347 shall be provided with kalameined casement frames with mullions, and trim and sash glazed with rough wire glass. Also, the openings in the light shafts in the two (2) tank rooms in the twenty-sixth story, shall be provided with kalameined double-hung frames with trim and sash glazed with rough wire glass.

Doors.

351. The sidewalk lift at the boiler room and gallery levels and the southwest lift at all levels shall be provided with kalameined frames, doors and simple shaft architraves to conform to the foregoing requirements. The doors shall be provided with one panel of rough wire glass, except for those at the street level, and the doors shall be in two parts (except that at street level), the hanger to be attached to an extension of the fixed fold and the fixed fold hung on butts and provided with bolts in order that the whole of the opening may be obtained. The hangers are specified under Miscellaneous Ironwork. The door at the street level at the southwest lift shall slide up and a box frame must be provided enclosed entirely on the shaft side and the door balanced by chain and weights over pulleys to match the sash in double-hung window frames. The cover of the frame shall be secured by brass screws to be accessible.

352. For the lift machine room in the basement, for all openings in the two fresh air chambers in the mezzanine story, for the opening adjoining column 333 leading to the mezzanine for heating apparatus under the entrance hall, for the opening to the Engineer's toilet, for the opening leading to the gallery in the boiler room, for the opening on the boiler room exterior stairs in the mezzanine story, for the openings leading to the two fresh air intake rooms in the fourth story, including the interior door in the northeast room, for the openings leading to the two tank rooms in the fourteenth story, for the openings leading to the two elevator machine rooms on the twenty-fifth floor, for the openings in the two elevator machine rooms including those to the fan rooms, for the openings leading to the tank rooms in the twenty-sixth floor from the roof, for the openings leading to the two stair halls in the twenty-sixth floor from the roof, for the opening leading to the tank room in the thirty-fifth floor, for the exterior door in the drum in the thirty-sixth floor, the Contractor shall furnish and set kalameined doors and frames with simple architraves, the doors to have one panel of rough wire glass.

353. The exterior doors shall be provided by the Contractor with brass saddles cast with flanges on the inside and outside and with rabbeted tops, and they shall be secured to masonry by expansion bolts or be bolted to the framing.

The frames in the thirty-sixth floor shall be provided with transom bars and sash glazed with rough wire glass.

ROUGH CARPENTRY.

Timber.

354. All timber for use in the building shall be of the best merchantable quality and thoroughly seasoned. It must be mill sawn, free from sapwood, shakes, rot, large or loose knots, and any and all other defects, and every scantling must be of the sections specified after sawing.

The Contractor shall furnish and set any timber necessary for the completion of the contract work, whether specifically mentioned or not, of proper size and kind.

Fireproofing.

355. All wood for use in the building furnished under this contract, except temporary work and woodwork which is to be covered by sheet metal, shall be chemically treated by some process approved by the Architects to render same fireproof. The company furnishing the fireproofing must furnish a satisfactory guarantee that their process will not discolor the wood so treated, and will permit the varnishing or finishing of said woodwork in the same manner as untreated wood.

Temporary Stairs.

356. The Contractor shall furnish any temporary stairs required for access to all portions of the building for the convenience of all trades. They shall be of spruce, constructed with 3-inch rough sawn strings, 2-inch thick treads and platforms, dressed slat handrails, and with the necessary platforms framed midway between stories. All temporary stairs shall be left in position at the completion of the contract.

357. Above the street level this contract includes the erection of the permanent steel and iron stair strings, risers and undertreads. A temporary stairs will not be required above this level, but the Contractor shall protect the treads and platforms with 1-inch rough spruce boards, leaving them in position at the completion of the contract.

Temporary Enclosures.

358. On the completion of the contract all openings into the north and south concourse at street level must be completely enclosed with ⅞-inch tongued and grooved spruce boards blind nailed to framing of spruce consisting of 2-inch by 4-inch studs, 16 inches on centres, with the necessary sills and plates. On the exterior the sheathing shall be covered with one thickness of saturated roofing felt laid with a 4-inch lap and nailed at 4-inch intervals by galvanized nails through tin cleats. Also enclose the exterior openings to the buildings at street level to conform to the foregoing, providing a batten door with T hinges, hasps, eyes and brass padlocks with keys.

359. The Contractor shall furnish the material and build the enclosures for the temporary water closets and urinals. They shall be built of spruce under the direction of the Architects, be of sufficient size to accommodate the number of fixtures specified under "Plumbing Work," and they shall be located at three points in the building. These enclosures shall be maintained in good condition, shall be shifted as the progress of the work may demand, and shall be left in position at the completion of the contract.

360. The Contractor shall furnish and set 4-inch by 4-inch spruce studs to protect the unfinished ends of hollow tile partitions built under this contract throughout the building, the studs to run from floor to ceiling, be wedged tight and be left in position at the completion of the contract.

Centres and Temporary Frames.

361. The Contractor shall furnish and set strong spruce centres for all arches in walls and in cut stone work. All centres shall be strong and well braced and they shall not be removed until the arch has thoroughly set. In addition, furnish and set any temporary spruce frames required in openings in cut stone work.

Rough Frames.

362. Furnish and set rough frames of merchantable long leaf yellow pine 2 inches thick by the necessary width well spiked together for all doors in masonry or hollow tile partitions and for interior windows. In masonry walls they shall be anchored to the walls and in hollow tile partitions they shall be bolted to the iron bucks by tap bolts, which are specified under "Miscellaneous Iron Work." The above refers only to openings the finished frames for which are provided under this contract.

Grounds.

363. Furnish and set any ⅞-inch by 2-inch clear white pine grounds required for all kalameined trim or other finish provided under this contract.

Cleating for Sheet Metal Work.

364. All woodwork required as a base for the sheet metal work specified hereinafter shall be of No. 1 white pine and shall be furnished and set by the Contractor. All such woodwork shall be seasoned stock and shall be creosoted before use. The process used shall be the pressure process, in which the wood is placed in a tank and a steam pressure of about 20 pounds maintained in same for two hours to thoroughly open the pores, after which the steam is blown out and a partial vacuum formed in the tank and the creosote run in and maintained there under pressure until the wood has absorbed to the utmost.

365. All vertical surfaces hereinafter to be sheathed in copper, including the curbs of skylights, shall be cleated with ⅞-inch thick beveled cleats not less than 2 inches wide, well nailed, and roof surfaces specified hereinafter to be finished in copper must be similarly cleated, the cleating in every case to be spaced as may be required by the sheet metal work. After the cleating is done, Portland cement mortar must be applied to the surfaces, floated flush with the cleats. After this is done, this Contractor shall provide 1-inch beveled top boards of a minimum height of 12 inches on all vertical copper sheathed surfaces to receive the flashing, and a similar board under the eaves in every case with casings around all openings occurring in such walls.

366. The Contractor shall furnish and set any boarding of No. 1 white pine which may be required for the lining of all gutters specified hereinafter. In addition, after the cleating of copper roofs specified above is done, the Contractor shall furnish and set on all roofs finished in copper and specified hereinafter 3-inch by 3-inch beveled cleats of No. 1 white pine, made as will be detailed and spaced to conform to the specification for copper roofing.

General Work.

367. In addition to the above, the Contractor shall furnish and set any rough or finished woodwork required to accommodate all work and which is customary in building operations in the City.

Cutting.

368. The Contractor shall do all cutting and fitting of woodwork required.

Water Closet Doors.

369. Furnish and set for the water closet compartments in the engineer's toilet 1⅜-inch thick by 5 feet 6 inches high doors of best quality selected white ash. The stiles and rails shall be framed together by mortise and tenon with raised haunches and shall be wedged and glued in place. The doors shall be provided with fixed panels of louvres set in frames with the necessary moldings.

HARDWARE.

General.

370. The Contractor shall furnish and set all finishing hardware necessary to the completion of this contract with all attachments, screws, etc.

All finishing hardware shall be of heavy cast bronze metal of the best manufacture, design, quality and finish, and shall be free from defects of all kinds.

The hardware in toilet rooms shall be nickel plated and polished. All other hardware shall be of plain finish, to be selected by the Architects.

Hardware in connection with Alberene stone work shall have box flanges with machine bolts and cap nuts.

371. The setting of all finishing hardware in connection with kalameined work is specified hereinbefore. The pulleys, sash chain, weights, etc., for double hung window frames are specified hereinbefore.

Samples.

372. A complete line of samples must be submitted to the Architects for approval before ordering the hardware, and such samples shall constitute the standard of all hardware to be delivered. These samples must be left in the possession of the Architects until the completion of the building. If, in violation of this specification, other goods are substituted, the Contractor will be required, at his own expense, to take off such substituted goods and replace them with goods in conformity with the samples and to make good also any injury or defacement to any part of the building involved in making such changes.

Information.

373. The Contractor shall obtain all information and details relative to the sizes, forms, hands, bevels, thicknesses, etc., of doors, windows and other work, and shall make all hardware fit perfectly in place without defacement.

Butts.

374. All doors shall be provided with steel bushed, ball bearing, extra heavy bronze metal, five-knuckle, loose-pin type, holdfast butts. They shall be 5 inches high, except for exterior doors, which shall be 6 inches high, and they shall be wide enough in every case to clear the trim. They shall be spaced three to each door.

Butts shall not be of less than the following weights:

5 inches by 5 inches, 4 pounds 3 ounces per pair, without screws.

6 inches by 6 inches, 6 pounds 6 ounces per pair, without screws.

Any other sizes shall weigh proportionately to the above.

375. All doors leading to water closet compartments shall be hung on one pair of "Bommer," Chicago Spring Butt Company's, or an approved equal, heavy cast bronze, box flange, single acting spring hinges 4 inches high and arranged so that the doors will swing in and remain open.

Combination lift doors shall be provided with butts to conform to the above.

376. Casement windows shall be provided with the Giesey, Grant, or an equally good, elevating bronze metal hinge, with track and all other attachments.

Locks.

377. All locks shall be the width required by the width of the door stiles and shall be easy spring mortise locks in heavy cast iron japanned cases with cast bronze fronts, box strikes, hubs and bolts, and where practicable all interior parts must be of cast bronze. Latches and dead bolts shall conform to the above.

378. All knobs shall be 2¼ inches diameter and of solid cast bronze. All roses shall be cast bronze, bracket bearing roses 2 inches in diameter, and the outside knob shall be pinned fast to the spindle, the adjustment being obtained on the inside by a set screw or clamp instead of the old-fashioned side screw entering the spindle. The shanks of all knobs shall have machine finished bearings fitted closely into corresponding machine finished thimbles on the roses, so that the knobs will fit snugly and be free from rattle. All thumb pieces shall be of heavy cast bronze, crescent shape, on heavy cast bronze plates not less than 1¾ inches by 1 inch with rounded corners and edges. All cylinders shall be provided with heavy bronze collars.

379. All exterior doors above the street level shall be provided with a 3⅞-inch by 3¾-inch mortise cylinder dead lock, operated by key on the outside and thumb piece on the inside, and with a 3-inch by 3¾-inch, or an equivalent, mortise spring knob latch operated by knobs from both sides.

380. All doors other than the above, except the lift doors, shall be provided with a 7½-inch by 3½-inch or 6¾-inch by 4-inch front door lock with spring bolt controlled by knobs on both sides and dead bolt controlled by cylinder on the outside and thumb piece on the inside.

381. All lift doors, except the southwest lift at street level, shall be provided with a 7½-inch by 4½-inch, or equivalent size, one-half mortise elevator door latch with heavy cast bronze flush cup escutcheons. They shall be operated from the outside by key. All lift door locks shall be set up alike.

All water closet compartment doors shall be provided with a 5-inch extra heavy cast bronze water closet door drop latch and strike and stop combined.

382. Double doors shall have double furniture.

All locks shall be provided with three keys and they shall be master-keyed, the master-keying to be so arranged that all locks provided under future contracts may tie in with the system.

Door Checks.

383. All doors shall be provided with bronze finished "Blount," "Corbin," "Norton," or equally good, door check of proper size and strength to meet the different conditions. Lift doors will not require checks.

Door Holders.

384. All doors, except roof house doors which open out, shall be provided with the Yale & Towne Manufacturing Company's No. 1125, the P. & F. Corbin's No. 2860, or the Ruppmann Door Holder Company's heavy cast bronze holder.

The roof house doors which open out will be provided with heavy cabin door hooks and eyes attached to masonry by bronze expansion bolts. Lift doors will not require holders.

Door Stops.

385. Provide heavy cast bronze rubber tipped door stops for all doors secured by bronze expansion bolts.

Water closet compartment doors shall be provided with 1½-inch rubber tipped base door stops of white ash. Lift doors will not require stops.

Bolts.

386. All double doors, including the fixed fold of combination lift doors, shall be provided with heavy top and bottom lever acting flush bolts with handle of the top bolt within easy reach. Faces, levers and bolt heads shall be of heavy cast bronze. Double casement windows shall be provided with bolts to conform to the above, and, in addition, with a 2¾-inch by 2⅛-inch mortise turnbuckle operated by 5⅜-inch bronze lever handles.

The southwest lift door at street level shall be provided with two (2) heavy flush barrel bolts and two (2) cast bronze full round bar handles not less than 6¾ inches between centres of posts.

Windows.

387. Provide for all double hung windows extra heavy bronze sash fasts, "Fitch" pattern, and flush sash lifts with hood; also with heavy sash sockets with opening large enough to receive "large size" sash pole hook for the top rail of each sash. Also provide for all stop beads countersunk stop bead screws and washers.

SHEET METALWORK.

Woodwork.

388. All woodwork required as a base for sheet metal work must be furnished as specified hereinbefore. Surfaces specified to be roofed or sheathed in copper will be cleated in wood and Portland cement mortar applied to the surfaces as specified before, finishing flush with the wood cleats. Gutters must be formed on a wood base.

Ironwork.

389. All steel and iron work necessary for the support of the figure on the tower, finials and gutters shall be furnished and set by the Contractor. All such steel or iron work shall be bolted together and be bolted to the framing of the building. The main post supporting the figure on the tower must be carried down and be thoroughly braced to the framing.

Copper Roofing.

390. The roofs of the north and south pavilions in the twenty-seventh floor shall be covered with 16-ounce soft copper out of 30-inch wide sheets. The Contractor shall set 3-inch by 3-inch beveled wood cleats about 22 inches on centres, and the copper sheets must be turned up on the sides of the cleats and out horizontally at the level of the top of same. On top of the cleats at 8-inch intervals set 2-inch wide, 16-ounce cold rolled copper cleats secured by three (3) 1-inch barbed copper nails, extending these cleats to the end of and turning them under the copper sheets. After this is done cover the beveled cleats with strips of copper turned under the ends of the sheets, after which turn down and lock the whole against the sides of the beveled cleats.

Cross seams shall be locked and soldered. Form the small openings with simple molded eaves, carrying the metal 6 inches under the roofing and installing in the openings the louvres specified hereinafter. Also make a proper double locked joint with the finials.

391. The concrete roof over the boiler flue at the southwest corner of the building in the twenty-fifth floor shall be cleated and roofed in copper to conform to the foregoing. In the four (4) turrets in the thirty-first floor furnish and set pans of 20-ounce copper drained and carried up 12 inches on the walls as a flashing. Cap same, building it in 4 inches in the masonry. Drain the pans to the centre and provide a splayed spout carried through the floor.

Copper Sheathing.

392. The curbs of all skylights and the hollow tile partitions of the north and south pavilions shall be sheathed with 16-ounce cold rolled crimped copper. The sheathing on the walls of the two (2) pavilions shall be done in paneled form, the stiles and rails of which shall be covered with cold rolled copper carried under the crimped material and nailed fast, using 1-inch copper nails throughout the work, spacing them 3 inches apart. Around the openings provide casings covered with copper to match the stiles and rails. Under the eaves a continuous rail must be carried through and the covering copper carried up under the gutter. At the base of the surfaces a wood member must be provided and set to receive the flashing of the roofs, and the capping of this flashing must be carried up under the copper work of the panels and stiles.

For skylight curbs the copper sheathing must be carried on top of the curbs, finishing at the inside face of same.

Figure and Finials.

393. The figure on the tower and the two finials on the roofs of the north and south pavilions, shall be stamped out of 20-ounce copper, made from full-size models to be furnished by the Contractor, and set in position at the building for the Architects' approval. The models shall be made and paid for as specified hereinbefore.

Flashing.

394. All flashing necessary to the completion of the work shall be done in accordance with this sheet metal work specification, except the flashing in connection with tile roofs which is specified hereinbefore. The flashing shall be done with 16-ounce soft copper, which shall be carried up on vertical surfaces a minimum distance of 12 inches and which shall be capped, the capping to be built 4 inches in the masonry or wedged and cold leaded in raglets, and is to cover the flashing 4 inches. Flashings on the rake shall be step flashings to conform to the above requirements. Flashing in top surfaces shall be wedged and cold leaded into raglets.

395. In general, the requirements of flashing contained in the specification for tile roofs shall hold good for any flashing to be done under this specification. For the junction of copper-sheathed walls with masonry, the step-flashing shall be in pieces not over 12 inches high with a 3-inch cover, be carried 3 inches out under the copper sheathing and 6 inches on the masonry, the latter to be built in 4 inches or wedged and cold-leaded into raglets.

Louvres and Ventilators.

396. All openings noted below shall be provided with louvres and frames of 20-ounce cold-rolled copper, the louvres to be turned down 1 inch at the bottom and up 1 inch at the top and stiffened by riveting to iron bars.

The frames shall be made as per detail to be given, with sills, and be properly anchored to the masonry. Provide any finishing moldings or flanges for connection with other work required on the frames.

Back of the louvres furnish and set copper wire mesh of ⅛ inch diameter copper wire in copper channel frames, bolting them to the louvre frames.

397. Provide and set louvres and mesh to conform to the foregoing in the windows of the two elevator machine rooms in the twenty-sixth story; in the exterior openings of the north and south pavilions in the twenty-sixth story; in the exterior openings of the two fresh air intake rooms in the fourth story, and in the exhaust openings in Chambers street at the street level. Also provide similar louvres and mesh for the small vent openings in the roofs of the north and south pavilions.

Gutters.

398. All gutters shall be constructed of 20-ounce cold-rolled copper, be double-locked in the direction of the drainage and be drained properly to the leader outlets. When in connection with copper roofs the gutters shall be carried up 6 inches under same. Where the gutters end on top surfaces of stone they must be wedged and cold-leaded into raglets in the stone. At all leader outlets provide 10 inches by 10 inches by 2 inches deep scuppers of 20-ounce copper, covering them with strap guards crossed and soldered together and with tops 3 inches above the gutter bottom, and connect the scuppers to the leaders provided under the plumbing work by splayed spouts of 8-pound sheet lead.

399. Provide in accordance with the above requirements a gutter back of the main cornice in the twenty-fifth story as per the detail. On the house side the gutter shall be carried up and flashed carefully into the stone work, but the minimum height of the gutter on the wall shall be 18 inches. At any window breaking below this height, the gutters shall be carried in under the sill and behind the frame on the jambs. On the outside edge the gutter shall be carried over the angle iron at the foot of the tile roof and out 4 inches on the waterproofing of same.

400. Provide gutters to conform to the foregoing for the roofs over the north and south pavilions in the twenty-seventh story, the gutters to be carried on the outside of the boiler flue and on the roof side of the pavilions they shall be molded, reinforced with steel and be carried down to make a proper connection with the top rail of the wall sheathing. These gutters shall be wedged and cold-leaded into a top raglet in the terra cotta cheneaux.

Snow Guards.

401. On the roofs of the north and south pavilions provide snow guards of hard brass placed near the gutters. They shall be composed of two bars with upright supports spaced not over 10 feet apart secured to the wood cleats, and the junction properly flashed. Back of the guards furnish and set ¾ inch square mesh of ⅛ inch diameter copper wire set in rod frames to follow the form of the roof in the spaces between the cleats, securing them by bolting to the uprights.

Skylights. General.

402. All skylights shall be of an absolutely "puttyless" type, such as the National System, Anti-Pluvius, or an equally good make, to be approved by the Architects. They shall be constructed on rolled steel frames with gutters under all divisions. All exposed portions of the skylights above the roofs shall be of 20-ounce cold-rolled copper secured to the framing by brass bolts and nuts. All metal used in the skylights other than the supporting bars (which must be entirely covered with copper), shall be of copper, but that on the underside may be lighter than the above. All glazing of skylights, except where below otherwise specified, shall be done with the best quality of ribbed wire glass ⅜ inch thick, in which the wire is in a plane equi-distant from the two faces of the glass. Skylights over elevator shafts shall be glazed with ⅜ inch thick ribbed glass. All glass shall be in sheets 20 inches by 60 inches and bearing bars must be provided on all sides. All glass must be bedded on asbestos, lead or hair-felt—no putty shall be used—and provided with a top contact of hair-felt or sheet lead. The glass must not bear on the steel.

403. The steel angle iron curbs for skylights shall be provided and set as specified hereinbefore. All other structural steel necessary to the completion of the work shall be furnished and set. All structural steel furnished for the skylights shall be framed and bolted together and to the curbs. The steel bars must be in every case sufficiently strong to carry the live loads plus the dead weight of the skylight construction. Exposed framing in skylights must be completely covered with copper.

404. Flash the junction of the skylights with all other work to conform to the requirements for flashing specified hereinbefore. All junctions in the glass shall be provided with copper cross gutters arranged to drain into the main bar gutters. At all such junctions the glass shall lap at least 2 inches, be kept apart at least ⅛ inch, and the bearing provided of materials specified before, the joint to be water and dust proof. Each light of glass shall be stopped or supported at the bottom and clips or stops provided at the eaves secured to the steel gutter bars. Copper gutters must be provided at the eaves to receive the drainage of the main bars, the gutters to drain and be provided with small spouts. The gutters shall be carried up to the glass and on the curb as specified for flashing.

405. All skylights shall be provided with ventilation. In hip skylights this may be obtained by ventilating ridges or turrets and in lean-to skylights, Glove, Anchor, Burt, or equally good ventilators of 20-ounce copper protected by cowls may be carried out through the curbs. All such skylight ventilation shall be arranged to be controlled from the floor below by brass chains with pulls.

406. The Contractor shall submit working drawings of the skylights for the approval of the Architects before beginning the work.

Work to be Done.

407. The Contractor shall furnish and set skylights in the roofs of the north and south pavilions, those in the main roof on the twenty-sixth story, and those on the roof buildings on the twenty-seventh story, made to conform to the foregoing requirements.

Mesh Guards.

408. All skylights shall be protected by guards of 1⅜-inch diamond mesh of ⅛ inch diameter copper wire, set in frames and with angle supports down to the skylight bars, the screens to stand 6 inches away from the glass.

Guarantee.

409. The copper work of roofs, the skylights, gutters, flashing, etc., shall be guaranteed water tight for a period of five (5) years after its acceptance by the Architects, and should any leaks develop within that time, the Contractor shall, on notification, make all necessary repairs without cost to the City.

Finish of Copper Work.

410. All copper work shall be finished with one (1) coat of well-seasoned linseed oil, except the figure on the tower, which shall be gilded as hereinafter specified.

PAINTING.

General.

411. The Contractor shall sandpaper all inside woodwork, rubbing in the direction of the grain, and also clean all moldings before the first coat of varnish is applied.

The Contractor shall putty all nail holes in wood in the best manner before finishing same.

Exterior Work.

412. All exterior kalameined work, such as window frames, sash, doors, frames, etc., shall be given one (1) coat of cold-pressed, well-seasoned linseed oil.

The copper work of the figure on the tower and the ball base under same shall be sized with an oil size and finished in pure gold leaf.

Interior Work.

413. All kalameined work in the interior of the building shall be sandpapered, given a coat of the best quality red lead and linseed oil, followed by three coats of the best quality white lead and linseed oil paint, with the addition of 20 per cent. of zinc white, after which they shall be grained.

414. Watercloset compartment doors shall be stained as directed, and filled, using the best quality of mineral paste filler, and then given four (4) coats of the Patterson-Sargent Company's "Nisoron" varnish, the Flood & Conklin Company's crystal finish, the Sherwin-Williams Company's durable interior wood finish, Berry Bros.' "Luxeberry," Emil Calman & Co.'s "Interior Spar," or an equally good make. Sandpaper lightly between coats and rub down after the last coat with pumice stone and oil.

415. All walls and ceiling of the boiler room, the ceiling of the pump pit in the southwest corner of the basement, the entire ceiling of the basement west of the track space, the ceiling of the engineer's toilet and all wall and ceiling surfaces in the mezzanine floor, except the spaces devoted to the uses of the subway, and which are inclosed by dotted lines on the plans, shall be given two (2) coats of a brick and cement coating of brand and color to be approved by the Architects. This paint may be the Wadsworth, Howland & Co.'s, C. L. Burns, the Preservative Products Co.'s, the Parker, Preston Co.'s, or an equally good cement coating, but the paint used shall be an oil paint without the use of white lead. All surfaces must be given one (1) coat of a salts-proof filler, of brand to be approved by the Architects before applying the paint.

416. In addition, the Contractor shall finish all exposed piping and other work specified under plumbing work as specified therein.

SIDEWALK LIFTS.

417. The contract includes two (2) electric sidewalk lifts of approved design and construction.

One of the lifts (lift No. 1), will be located near column 368, and will run from the basement level to the sidewalk line. The other lift (lift No. 2), will be located near column 126, and will run from basement level to the concourse level.

The duty for both cars will be 2,000 pounds at 40 feet per minute. The rise of lift No. 1 will be approximately 32 feet, and the rise of lift No. 2 will be approximately 24 feet.

Drawings.

418. The drawings of the building show the arrangement, location and dimensions of the shafts for the sidewalk lifts. The Architects assume no responsibility for the exact dimensions; the Contractor must obtain his own measurements at the building.

The Contractor must submit, in triplicate, specifications and detailed drawings of the various portions of the equipment, including details of mechines, guides, counterweights, motors, controllers, etc.

These specifications and drawings must be approved by the Architects before the work is begun.

Space Conditions.

419. The Contractor shall inform himself fully regarding any features, peculiarities and limitations of the space available for, and allotted to, any machinery, apparatus, or appliances, to be installed in accordance with this specification.

Manufacture.

420. Only machines of standard character and generally recognized merit, manufactured by concerns of large experience, will be accepted.

The make and design of the equipment and the various portions thereof must be submitted to the Architects and have their approval.

Tests.

421. The Architects shall have the privilege of making all desired, suitable and proper tests of the lift equipment.

The Contractor shall furnish proper assistance and facilities, and shall co-operate with the Architects in making the tests.

Defects.

422. All defects or imperfections in any portion of the equipment that may be observed at any time before the completion of the contract, shall be made good by the Contractor.

Machines.

423. The machines shall be of the direct connected worm gear type, reduced by external gearing from worm wheels shaft to drum shaft. The outboard bearing of the drum shaft need not be on the same base as the other bearing, but may have a separate foundation.

The drums shall be of cast iron, of proper diameter for the requirements, and grooved for hoisting chains or wire ropes. The working strain of the hoisting chains or ropes shall not exceed one-sixth of their ultimate strength.

Control.

424. The control of the sidewalk lifts shall be by means of hand chains passing through the cars. These chains shall be so arranged as to be conveniently handled from the car.

This hand chain shall connect to a reversing and automatic stop motion switch mounted on and directly above the worm-wheel shaft where the circuit for the motor, fields and brake shall be made and broken, and the current for the motor reversed.

Controlling Requirements.

425. The controlling apparatus must accomplish the following functions:

(a) Make and break circuit, reversing motor under control of operator, without destructive arcing.

(b) Give easy acceleration of car speed independently of operator, the car starting or stopping without jar or shock, and without the intervention of any intermediate devices or mechanical dash pots.

(c) Lift main brake by means of electric solenoid, cut-out starting resistance and series field by successive steps in starting.

All contacts in connections with the accelerating devices must be of the "make and break" type, and all contacts must have ample metal for stiffness. Contact surfaces must be so designed that a good bearing is obtained at every point, and not more than 100 amperes carried per square inch of bearing surface during maximum load.

Safety Devices.

426. The sidewalk lifts shall be equipped with upper and lower limit stops on worm-wheel shaft.

Cars.

427. The cars shall be of the standard sidewalk type, properly braced and supported with hoisting chain or wire rope fastened to each of the four corners.

The car on lift No. 1 must be provided with bow irons, to lift a double hinged sheet-iron cover, at the sidewalk level, in case it is so desired. The duty specified hereinabove for this lift includes the weight equivalent to the lifting of these doors.

Hatchway Appliances.

428. There shall be two guides for each lift of 5-inch by 3½-inch tee, weighing 15 pounds per linear foot, milled or planed to ⅝ inch thick.

Special buffers will not be required under the platform.

STEAM BOILERS, STEAM APPURTENANCES, HEATING AND VENTILATING APPARATUS, ETC.

429. This specification covers the installation and completion of the boilers and the entire steam plant below the first floor, the installation and completion of the heating and ventilating apparatus for the rooms and spaces below the first floor, as well as the installation of the steam, return and relief piping, radiators, etc., in and above the first floor shown on the plans and hereinafter called for, also all other pipes and appurtenances for the steam plant, heating and ventilating apparatus in the first and upper stories of building specified to be furnished.

430. The Contractor shall install the work hereinafter specified and indicated on the plans in such manner as to facilitate the installation of the future work at a later date when the heating and ventilating plant will be completed. He shall space and arrange the piping and appurtenances so as to permit the proper covering of the same with non-conducting material, and shall leave plugged or blank flanged outlets for future connection wherever indicated and directed.

BOILERS.

431. Furnish, deliver and erect in the boiler room where shown on plan, six (6) boilers of the water-tube type. The boilers shall be built in strict accordance with this specification and may be of the sectional or semi-horizontal type boilers, as approved by the Architect.

SECTIONAL TYPE.

432. Sectional type boilers shall have a total of 15,480 square feet of heating surface and of 361 square feet of grate surface. The boilers shall be set in four single settings and one double setting.

The heating surface of each boiler shall consist of steam and water drums 42 inches in diameter and 23 feet 4 inches long, placed above and connected to sets of sections of straight tubes, each section consisting of ten tubes 4 inches in diameter and 18 feet long. The lower ends of the rear sections shall be connected to a wrought-steel mud drum. The connections between all parts shall be made by expanding wrought tubes into bored tube seats. Four of the boilers shall each be composed of two steam and water drums and 14 sections, and two of the boilers shall each be composed of one steam and water drum and 9 sections. All wrought metal for pressure parts, except tubes, shall be of the best open hearth steel, having a tensile strength of from 54,000 to 62,000 pounds per square inch, and an elongation of not less than 25 per cent. in a parallel test piece of 8 inches, accompanied by a reduction in area of at least 50 per cent., and shall endure bending double upon itself both before and after being brought to a flanging heat and quenched. All forgings for pressure parts shall be made from open hearth steel of from 52,000 to 58,000 pounds tensile strength and formed by hydraulic power.

Steam and Water Drums.

433. All rivet holes for the drums shall be punched through steel templates 3-16-inch smaller than the diameter of rivets to be used, and drilled out to full size after the sheets are rolled and assembled with their butt-straps. After drilling, the straps shall be removed, all burrs cleaned off, and the plates assembled metal to metal, with parallel turned bolts fitting the holes, before riveting. Each course shall be built independently to template. The various courses and their heads shall be assembled by a hydraulic forcing press. All rivets shall be driven with hydraulic pressure and held until cool. All drum heads shall be fitted with manholes. The heads shall be hydraulic forged at a single heat, with manhole ring and stiffening plate in position, and have flat raised seats for standpipe and feed connections.

The edges of head and manhole faces shall be turned off true. The manhole plates shall be 11 inches by 15 inches and faced and turned to true ovals to fit heads. The manhole plates and guards shall be of forged steel. The steam flanges on the drums of the 14 wide boilers shall be 5 inches by 11 inches, and on the drums of the 9 wide boilers 6 inches by 12½ inches, of forged steel, recessed to make male and female joints, and fitted with stud bolts, with taper threads. In addition to these outlets, there shall be on each steam drum of the 14 wide boilers a 4-inch steam outlet, and on the drum of each of the 9 wide boilers a 4½-inch steam outlet for the safety valves. The drum cross boxes shall be hydraulic forged from a single sheet without seams or rivets.

Sections.

434. The sections shall be built up of 4-inch tubes made of the best knobbled, hammered, charcoal iron blooms of standard weight. The tubes shall be expanded into inclined headers of serpentine form, disposing the tubes in a stagged position when assembled in the furnace. A hand-hole of sufficient size to permit the cleaning, removal and renewal of a tube shall be placed opposite each end, said hand-hole to have a raised seat milled off to true surface. The hand-holes shall be closed on the outside by a forged steel cap milled to a true surface, and be held in position by a forged steel safety clamp, closing the hand-hole opening from the inside, and secured by a ball-headed bolt to insure correct alignment.

Mud Drums.

435. Mud drums shall be 7¼ inches square, of proper length, and shall be connected with all the sections of the boilers by means of wrought nipples expanded into counter-bored seats. The mud drums shall be of wrought steel and tapped for blow-off connections on the bottom, and furnished with hand-holes for cleaning.

Cross Pipes and Nozzles.

436. The two steam drums on the 14 wide boilers shall be connected by cross pipe with flanged outlets arranged to suit the steam piping. Steam delivery outlets on each cross pipe shall be 8 inches in diameter. The steam delivery outlets on the drums of the 9 wide boilers shall have 6-inch nozzles with flanges. The flanges on all these outlets shall match flanges of steam connections, as will be directed. Provide on each cross pipe and on each nozzle a 1½-inch tapping for connection to injectors and for cleaning hose connections.

Supports.

437. The boilers shall be suspended at front and rear from the building construction, entirely independent of the settings, to allow for contraction and expansion without straining either the boilers or the brickwork, and to allow repairs or renewal of the latter without distrubing the boilers or their connections. Girders for suspending the boilers are shown on the steel drawings; the Contractor shall furnish all other suspensions, supports, etc., that will be required, and shall do all drilling of the girders required for the suspensions.

Fronts, Castings, etc.

438. The front of each boiler shall be of ornamental design, and be provided with frames fitted with large doors for access to the hand-hole plates and front headers. The fire fronts shall have independent frames for fire doors bolted on, and ash doors fitted with blast catches. All joints shall be fitted and faces of all doors planed. Each boiler shall be furnished with a full set of heavy dumping grate bars, with bearers, dead plates and supports, etc., arranged with double divided cut-off movements. The grates shall be 8 feet long and of proper width to completely fill the furnaces, and shall be the Treadkill, McClave, Dean, or such equally good machine-finished grates as will meet the approval of the Architects.

Furnish flame bridge plates with necessary fastenings, and special fire brick for lining the same, and one bridge wall girder for hanging bridge, fitted with expansion plates for side walls. Furnish a full set of cleaning and ash doors for side walls; also all other doors for giving access to all parts and for exterior cleaning of each boiler. Furnish the necessary buck stays, tie and anchor rods, channels, anchor plates and lintels for securing all parts in position.

All ironwork in connection with the boilers, such as supports, boiler fronts, etc., shall be painted two coats of black Japan varnish, or as directed.

Testing.

439. All pressure parts shall be tested and made tight under hydrostatic pressure before leaving shop, as follows: Sections, 400 pounds; drums, 300 pounds; mud drums, 300 pounds. When erected complete on foundations, the whole structure shall be tested and made tight at 225 pounds hydrostatic pressure. Provide boiler inspection plates for each boiler.

SEMI-HORIZONTAL TYPE.

Boilers.

440. Semi-horizontal type boilers have a total heating surface of 15,514 square feet and a total grate surface of 369 square feet. The boilers shall be set in four single settings and one double setting.

Heating Surface.

441. The heating surface of each of the four boilers set in single settings shall consist of the exposed portions of the steam and water drums and of 235 tubes, 3 inches in diameter, 15 feet 8 inches average length, expanded directly into the steam and water drums. The heating surface of each of the two boilers set in battery shall consist of the exposed portions of the steam and water drums, and 150 tubes 3 inches diameter, 15 feet 8 inches average length.

Grates.

442. Furnish for each boiler a complete set of heavy shaking and dumping grates, complete with all bearers, dead plates, supports, etc., of the twin lever type. The grates shall be seven feet nine inches long and nine feet wide for the boilers in single settings, and five feet ten inches wide for the boilers set in battery.

The grates shall be of the Treadkill, McClave, Dean, Neemes Improved, or such equally good machine-finished grates as will meet the approval of the Architects.

Steam Drums.

443. Steam drums shall be 48 inches in diameter and 7 feet 9 inches long for the boilers in battery, 10 feet 11 inches long for the boilers set singly. Drum heads shall be flanged and bumped in a single heat to a 48-inch radius, and the heads opposite the passages around the boilers shall be flanged in for an 11-inch by 15-inch standard manhole, the edges of which will be turned off true. This manhole shall be provided with a reinforcing ring pressed steel manhead bolt, nut, dog and gasket. The longitudinal seams shall be butted and strapped inside and out, the seams shall have two rows of rivets passing through both straps and shell, and two rows through shell and inner strap only. The butt-straps shall be bent to a proper radius in a hydraulic press. The head seams shall be double riveted. All rivet holes shall be drilled with plates in position, and after drilling the straps shall be removed, the burrs cleaned off and the plates assembled metal to metal, with parallel turned bolts fitting the holes before riveting. All rivets shall be driven with hydraulic pressure and held until cool. The steam outlets on the boilers in single settings shall be 8 inches, and those in battery 6 inches, of forged or cast steel, recessed to make male and female joints. In addition to these outlets, provisions shall be made for attaching two 4-inch and one 4½-inch safety valve to each of the respective sizes of boilers.

Water Drums.

444. Water drums shall be oval in shape, with a 24-inch minor axis, 7 feet 9 inches long for the boilers set in battery, and 10 feet 11 inches long for the boilers set singly. Drum heads shall be dished and flanged and the heads opposite the passage around the boilers shall be flanged in for 11 inches by 15 inches standard manhole complete, with reinforcing ring, pressed steel manhead bolt, nut, dog and gasket. The longitudinal seams shall be double riveted lapped joints and the head seams single riveted.

Pressure Parts.

445. All plates used in the construction of the steam and water drums shall be of open hearth steel, having a tensile strength of not less than 55,000 pounds, and not more than 62,000 pounds per square inch, and an elongation of not less than 25 per cent. in a parallel test piece of 8 inches, accompanied by a reduction in area of at least 50 per cent., and shall endure bending double upon itself both before and after being brought to a flanging heat and quenched. Return pipes shall be standard wrought steel pipe, connected to the steam and water drums by cast steel fittings. The elbow fittings, where the vertical return pipes join the horizontal return pipes or mud drums, shall be provided with hand holes at both front and rear ends and blow-off connections at the rear ends.

Tubes.

446. The tubes shall be 3 inches diameter, No. 12 B. W. G., of the best knobbled charcoal iron, expanded at each end into the steam and water drums. These tubes shall be given a slight curvature, so that they aim toward a row of hand holes in the shell sheet of the steam drum. These hand holes shall be closed by hand-hole covers, consisting of a conical-headed bolt, a short piece of copper tube, a washer and nut.

Supports.

447. The forward end of the boiler shall be carried on a structural steel support, consisting of a horizontal girder supported at each end by an upright, consisting of a steel channel resting on a cast iron base plate. The rear end of the boiler shall be carried on two cast steel lugs riveted to the lower side of the water drum. These cast steel lugs shall rest on a roller which rolls on a plate supported by the foundations. This construction allows for contraction and expansion without straining the boilers or the brick settings.

Fronts.

448. The fronts of the boilers shall be of ornamental design, made up of the necessary cast iron door and feller panels. The fire doors shall have independent frames bolted to the fire door panels. The ashpit door frame shall be cast solid with the fire door panel. The fire and ashpit doors shall be of cast iron and be provided with means for holding them closed. Furnish dead plates and firebrick for lining same, the necessary door arches and jams of steel mixture brick, bridgewall girder for hanging bridgewall, and a full set of cleanout and tube cleaning doors and frames, with packed joints, and all the necessary dampers, damper frames, brick stays, tie rods, channels and air dampers for the successful operation of the boilers. All structural supports, boiler fronts, cleanout doors, damper frames, etc., shall be painted two coats of black japan varnish, or as directed.

Testing.

449. The boilers must be tested to two hundred and twenty-five (225) pounds pressure before leaving the shop, and again tested after they are erected on the foundations, and made tight under a hydrostatic pressure of 225 pounds.

REQUIREMENTS FOR EITHER TYPE OF BOILER.

Boiler Attachment.

450. Provide and attach to each boiler a complete set of boiler fixtures. Each set shall include nickel-seated safety valves (two 4-inch for each large boiler and one 4½-inch for each small boiler), set to blow at a pressure as will be directed; one steam gauge with 12-inch dial; one extra heavy polished brass standpipe fitted with extra heavy bronze mountings for glass water gauge, with special shutoff device operated from fireroom floor, to allow of removal of glass when under pressure; three trycocks with lifting handles for operating from fireroom floor, fitted with steam metal valves, independent blowoff pipes from bottom of column and glass gauge with valves at height of hand, and carried down front and terminating in the ashpit.

Provide and connect to each boiler: A combination stop and check valve of heavy bronze pattern, to be flanged directly to the drum heads, operating automatically in case of rupture of feed piping; two stop valves for feed, 2 inches in diameter, and one check valve for feed, 2 inches in diameter, connected by flanges, to allow of removal without disturbing main feed lines; one positive damper with frame, with attachment to work by hand; two stop valves for cleaning hose connection; blowoff valves (one pair tandem-connected for each blowoff outlet), with loose sleeves on blowoff pipes, for building into brickwork, to allow for expansion and contraction.

All attachments and fixtures shall be so connected and provided with valves as to permit their being repaired or replaced without interfering with the operation of the boilers. All valves shall be extra heavy steam metal valves with polished trimmings. The necessary pipes and fittings connecting all the above mountings to the boilers shall be of extra heavy iron-size brass, and shall be polished wherever not covered with non-conducting material or built into the brickwork.

Settings.

451. Build suitable concrete foundations for the boilers, starting at a point about 15 inches below the finished floor line, and include all mason's material and enclose each boiler in substantial masonry of best hard burnt selected Haverstraw Bay brick, laid with headers every third course, in mortar of one part of best quality fresh Atlas, Giant, Saylor or equally approved American Portland cement, one part lime and three parts of sharp, clean river sand. Line all portions of the settings exposed to the flame and to the products of combustion with first quality firebrick, equal to Maurer's No. 1, laid in best quality fireclay batter; every fourth course shall be a header course. These bricks shall under no circumstances be wet; they shall be dipped in the batter and laid by rubbing down to place in order to completely fill the joints. All bricks, including firebricks, must be laid 9 courses in 23½ inches. The side walls of the boiler settings shall be 17 inches, the centre walls 24 inches, front walls 16 inches, rear walls 12 inches and the bridge walls 24 inches thick.

452. Provide all openings, lintels, etc., and make all required provisions in the boiler settings for the forced draft installation.

Cover the top of shells of the steam boiler drums with a layer of 85 per cent. carbonate of magnesia blocks 2 inches thick, and build a brick arch 4 inches thick over the magnesia blocks on each drum.

453. The entire settings for the boilers shall be done in the best and most approved manner to secure economy of fuel, complete in every particular, and the connections so arranged that each boiler will have the same draft when operated alone or in connection with the other boilers. Pave back of bridge walls with bricks laid flat; pave ashpits of the boilers with bricks laid on edge and well grouted with cement. All openings for cleanout doors, etc., shall be turned with octagon brick.

The side walls of the boilers shall be carried up to the level of the steam outlets, and the entire top of setting shall be covered with 3-inch terra cotta building blocks laid in cement mortar, supported by heavy steel T-bars resting on the side walls and paved with heavy floor tile set in cement mortar and finished with the wall copings. The spaces around steam outlets and safety valves shall be covered with removable wrought iron plates, fitted around steam pipes and safety valves.

455. All exposed walls of boiler settings shall be lined with best American white enameled brick, bull-nosed brick to be used on corners. All walls of boiler settings shall be coped with fine-axed bluestone 4 inches thick and 12 inches wide, set in cement with thin joints.

Insurance, etc.

456. The Contractor shall have the boilers tested and insured by a casualty company, satisfactory to the Commissioner and the Comptroller of The City of New York, for one year, without cost to the City. He must comply with all the laws and regulations regarding steam boilers, etc., in the City and the State of New York, supplying without extra cost anything in materials and workmanship required to meet these laws not herein specifically named, and shall be responsible for any violation of the laws caused by himself, his employees or subcontractors.

Fire and Other Tools.

457. Provide three full sets of fire tools, each set to consist of two shovels, one poker, one slice bar, one hoe and one claw, all of required length and made of wrought iron. Also provide two sets of three-ply rubber steam hose and pipes for blowing dust from exterior of tubes, with all connections complete, ready for use; also two tube scrapers with handles, and all such hand and special steam cleaners as afford the best method of cleaning inside and outside of tubes or sections. Supply also 75 feet of three-ply rubber hose, with couplings wired on, and brass nozzles with cocks for wetting down ashes, and two sets of wrenches, tools, etc. required for the ordinary adjustment of the special make of boiler.

Furnish and set in suitable place in fireroom racks to hang up fire tools.

Plans and Specifications.

458. The Contractor shall, before building the boilers, furnish for the approval of the Architects, detailed plans and specifications of the boilers, giving all dimensions and thicknesses used in all parts of the boilers, settings, foundations, etc., as well as all other particulars of importance.

The boilers shall be of the Babcock & Wilcox Company's or the Mosher Water Tube Boiler Company's or such equally good make as will meet the approval of the Architects.

Smoke Connections, Dampers, etc.

459. Furnish, erect and connect as indicated on plans the smoke connections from the boilers to the vertical smoke flue. Also furnish and erect all steel and masonry work required for the support of the smoke connections.

The entire horizontal connection shall be built of ¼-inch thick steel plate casing, lined on the inside with firebrick lining, etc., as shown in detail on the drawings and as hereinafter specified. Brace the sides, bottom and top of the steel plate casing with 3-inch by 3-inch by 5-16-inch steel angles, spaced 4 feet on centres. The braces for the bottom shall be placed on the inside and so spaced that the braces come at the brick joints of the bottom lining.

460. Provide expansion joints where indicated on the plans. The guides for the expansion joints shall be formed with 5-16-inch thick steel plates, properly riveted to the steel casings of the flue, and arranged as shown in detail on the drawings.

Support the entire horizontal flue on three parallel I-beam runners, of 6-inch, 12.25-pound steel beams, set on brick piers and steel beam supports, as indicated. The brick piers shall be built of best hard-burnt brick laid in cement mortar and capped with cast iron plates 1 inch thick.

The beams for support of the I-beam runners for the horizontal flue in the boiler room shall be securely fastened to the building construction, and the suspension girders of the boilers.

461. The individual connections between the horizontal flue and the boilers shall be built of No. 10 gauge steel plate, put together with 1¾-inch by 1¾-inch by 1¼-inch iron corners, braced with angle iron stiffening and securely fastened to the smoke outlets of the boilers and the horizontal flue. These individual connections shall be covered with magnesia blocks, as specified under clause "Non-conducting Covering."

462. The entire horizontal smoke flue casing shall be lined on the inside in the following manner: First cover the bottom of the flue with firebrick on edge, then cover the sides of the flue with 2-inch thick magnesia blocks properly cemented with magnesia cement, and fastened to the flue and build up the side linings of firebrick, forming side walls 4½ inches thick. Line the top of the flue with first quality fire-clay blocks 6 inches thick. These fire-clay blocks shall be grooved on the side to fit the T-iron supports, so as to completely cover up the same when placed in position. Furnish and set 3½-inch by 3½-inch by ⅜-inch T-irons for the support of the 6-inch blocks.

Leave a 2-inch space between the top lining and the steel plate casing, and fill this space with loose magnesia, well packed.

Provide special lapjoint fire-clay tile and firebrick at all the expansion joints; also all special ironwork, bolts, etc., for holding the lapjointed flue lining in position, all as required to allow for the expansion and contraction of the steel casing and the firebrick lining.

463. All firebrick shall be equal to Maurer's No. 1 firebrick, and laid in same kind of fire-clay batter as specified for the firebrick lining of the boiler settings. All joints of the tile lining shall be laid in and pointed up with fire-clay in such manner as will meet the approval of the Architects.

464. Provide all required clean-out openings with doors where shown on plans and as directed. The frames for the doors shall be made of heavy cast iron riveted to the openings. The clean-out openings on the flue between the boiler room and the vertical smoke flue shall be provided with No. 10 gauge steel plate extensions, properly riveted to the smoke flue casing and extending through the firebrick lining of the flue and through the brick enclosure. The doors for all clean-out openings shall be made of heavy cast iron, and the surfaces of the doors as well as the frames shall be planed and fitted so as to be airtight. Provide heavy hinges for all the clean-out doors; also provide clamping devices with at least two clamps for each door.

465. Provide a swinging damper in the main smoke connection, fitted for operation by damper regulator. The damper shall be built of ¼-inch steel plate, stiffened with angle-iron ribs not less than 2 feet apart. The spindle of damper shall be made of extra heavy 4-inch pipe, supported by rollers or ball bearings outside of flue.

All magnesia specified for covering the smoke connection shall contain not less than 85 per cent. carbonate of magnesia.

466. The Contractor shall submit detail drawings for approval by the Architects before building the smoke connections.

Damper Regulator.

467. Provide, erect and connect one Kieley, Locke, Spencer, or such other equally good automatic damper regulator as will meet the approval of the Architects. Connect the same complete, with swinging damper in smoke flue, and make all steam and water connections to and from the regulator complete. Also furnish and put in place all the necessary connecting rods, weights, etc., connecting regulator to main damper.

Track System, Iron Floor, etc.

468. Provide a substantial bed of cement and concrete, and furnish and set in same all floor plates, tracks, switches, etc., indicated on plan.

The floor plates shall be of cast iron ¼-inch thick, with diamond-point pattern surface, and shall cover the entire boiler room floor, except the passage back of the boilers and the passages between the settings, as indicated on the plan. (The total area of floor plates to be furnished aggregates about 2,900 square feet.) Each plate shall not be larger than 13-inch by 13-inch, and shall be reinforced by ribs on the under side.

The plates shall be neatly fitted around the tracks and edges and be shaped to fit all curves and angles.

469. The tracks shall consist of cast iron plates measuring 27 inches on the outside, with 21½-inch gauge from outside to outside of rail heads. The surface of the solid cast plates shall be roughened with small diamond points, and the under sides of plates shall be provided with ribs to set in concrete. The ends of the sections shall be provided with interlocking lugs.

The straight track shall be made up of sections of suitable length, and the curves shall be made up of units of 11¼ degrees, 22½ degrees or 33¾ degrees, as required.

The switches shall be cast in one piece complete with the frog and curve, and shall have cast steel switch points.

All curves of tracks and switches shall be 12-foot radius, with a special outer rail, so that the outside wheels of the cars will roll on the flanges.

All floor plates, tracks, switches, etc., shall be properly set in cement.

Turntable.

470. Do any required excavation and build waterproof pit of proper dimension, and furnish and set in the same one turntable. The turntable shall be 68 inches in diameter, with roughened surfaces to correspond to the coal tracks and mounted on ball bearings with overlapping bearing rings.

Coal and Ash Cars.

471. Provide three four-wheel, flexible wheel base cars for carrying coal. These cars shall be built of sheet steel with round corners and stiffened with angle iron. Each side shall be arranged to let down and be provided with quadrant end and catch device. When let down the sides shall be arranged to come slightly higher than the bottom of body.

The coal cars shall each be of one ton capacity, and shall be of such dimensions as to clear all walls, columns, etc., when on tracks and turntables.

Provide two flat top steel bodied cars for ashes. The tops of these cars shall be about 33 inches by 60 inches.

The wheels of coal and ash cars shall be of steel pressed on the axles, and the bearings shall be ball bearings and provided with oil reservoirs.

Scales.

472. Do all excavating for and build waterproof pit of proper dimensions, and provide and set in same a track scale of 2-ton capacity. The track grooves of weighing platforms shall be of 21½ inches gauge from outside to outside of rail heads, cast in the platform and in the frame of same. The surface of platforms shall be roughened to correspond with the coal track. The platform shall be 27 inches wide and about 6 feet long. The beam of the scale shall be carried to frame on scale foundation and the beam shall be enclosed in cast iron box with glass front door. Provide a full equipment of weights, etc., complete.

Note.

473. The above specified tracks, cars, floor plates, scale, etc., shall be equal to the standards of the C. W. Hunt Co.'s manufacture.

Ash Cans.

474. Supply twenty 16-inch by 25-inch ash cans of No. 10 gauge wrought iron, with reinforced rims and strong drop handles.

Platforms, Ladders, etc.

475. Furnish and erect as indicated on plans and as directed, the platforms between the boilers, with all required gratings, railings, etc., complete. Furnish and set three iron ladders for access to top of boilers.

The platforms, gratings and ladders shall be built of wrought steel, in a most substantial and workmanlike manner. The platforms shall be supported on channel irons of wrought steel. Gratings shall be bolted to same in such manner as to make any part removable.

All railings shall be made up of iron pipe and fittings, and shall be painted as directed.

Blow-off Tank.

476. Furnish and erect where shown on plan one blow-off tank 4 feet in diameter and 9 feet long, made of flange steel, shell ⅜ inch thick, heads 7-16 inch thick. The tank shall be supported on cast-iron saddles and fitted with manhole in head, with guard, gasket, etc., complete, glass water-gauge and all required inlets and outlets. Provide a cooling coil of seamless brass pipe, 3 inches diameter, containing 40 linear feet, properly fitted into the tank; also furnish a brass-mounted relief valve and connect same with the cooling coil.

Make all connections to this tank with the blow-off pipes and from the tank with blow-off pump and with the drain and vapor pipes. Also make all connections complete to and from the cooling coil.

Receiving Tank.

477. Furnish and erect where shown on plan one closed tank for receiving the water of condensation from the heating and ventilating system, etc.

Said tank shall be 6 feet in diameter and 20 feet long, made of flange steel, shell ½ inch thick, heads 9-16 inch thick. Provide manholes with guards, gaskets, etc, complete, glass water-gauge and all required inlets and outlets.

Do any excavating required and build substantial concrete foundations for the receiving tank. Cap the foundations with bluestone 6 inches thick, and furnish and set on the same suitable steel support for this tank, consisting of steel columns and I-beam construction, all properly braced and anchored. The under side of the tank shall be about 7 feet above the floor.

478. Provide and connect to the tank a "Utility," "Kieley" or "Standard" automatic float governor for the control of the water level in the tank.

Make all connections to this tank with the discharges from the high-pressure drip and vacuum pumps and the relief mains, and from the tank with the feed and return pumps and with the water-level governor; also with the vapor, drain and overflow pipes.

Provide such additional openings in tank for future connections as may be directed or as required.

High-pressure Drip Tanks.

479. Furnish and erect where shown on plan two tanks for the drips from the power mains and other apparatus in the building using high-pressure steam.

Each tank shall be 3 feet 6 inches in diameter by 8 feet long, made of flange steel, shell ⅜ inch thick, heads 7-16 inch thick. The tanks shall be supported on cast-iron saddles and fitted with manholes in heads, with guards, gaskets, etc, complete, glass water-gauges and all required inlets and outlets.

480. Provide in each tank a cooling coil of seamless brass pipe 3 inches in diameter, containing 30 linear feet, properly fitted into the tanks; also furnish brass-mounted relief valves and connect same with the cooling coils.

Make all connections to these tanks with the high-pressure drip systems, and from the tanks with the pumps and governors and the vapor and drain pipes. Also make all water connections complete to and from the cooling coils.

Low-pressure Drip Tanks.

481. Furnish and erect where shown on plan two tanks for the drips from the exhaust piping, grease extractors, pump cylinders, etc., and from other apparatus exhausting steam.

Each tank shall be 3 feet 6 inches in diameter by 8 feet long, made of flange steel, shell ⅜ inch thick, heads 7-16 inch thick. The tanks shall be supported on cast-iron saddles and fitted with manholes in heads, with guards, gaskets, etc., complete, glass water-gauges and all required inlets and outlets.

482. Provide in each tank a cooling coil of seamless brass pipe 3 inches in diameter, containing 30 linear feet, properly fitted into the tanks; also furnish brass-mounted relief valves and connect same with the cooling coils.

Make all connections to these tanks with the low-pressure drip systems, and from the tanks with the pumps and governors and the vapor and drain pipes. Also make all water connections complete to and from the cooling coils.

Feed-water Heater.

483. The brick foundations for the feed-water heater shall be faced with best white-enameled brick, with bull-nosed brick on all corners, and capped with fine-axed bluestone 6 inches thick.

Furnish and erect one feed-water heater of such manufacture as will meet the approval of the Architects. The feed-water heater shall contain not less than 167 square feet of heating surface, consisting of 60 seamless drawn brass tubes expanded into tube sheets.

The shell shall be of heavy cast-iron and the water chambers shall be of heavy cast-steel. The shell shall be 21 inches in diameter and of height to suit 83 ¼-inch long tubes.

The feed-water heater shall be built for a high working pressure and shall be tested after erection and made tight under a hydrostatic pressure of 250 pounds per square inch.

484. Supply and connect with the feed-water heater one brass-mounted safety valve and one accurate large size hot-water thermometer.

Make all connections to and from the feed-water heater with the exhaust piping, also with the feed-piping and the drip systems as specified, and provide all drain and blow-off connections complete.

Feed-water Filters.

485. Provide suitable stands and supports and furnish and erect on same two 5-inch feed-water filters of standard equal to the Blackburn-Smith manufacture. The feed-water filters shall be placed in parallel and provided with by-passes, pressure gauges and all required attachments, etc., complete.

The filter bodies shall be of cast iron and the valves for same shall conform in every respect to the feed valves on the main feed pipe.

The filters shall be tested after erection and proved tight under a hydrostatic pressure of 250 pounds per square inch.

Make all connections to and from the feed water filters with the feed mains, as specified.

Feed-water Meter.

486. Provide, erect and connect in the feed main to the boilers one 3-inch and one 5-inch heavy pattern turbine boiler feed meters of standard equal to the Worthington manufacture.

Make all connections to and from the meters with the feed lines and provide by-passes around each, with all necessary valves, etc., complete.

Grease Extractors, etc.

487. Furnish and erect three "Utility," "Kieley," "Standard" or such equally good grease extractor and muffler tanks as will meet the approval of the Architects.

The grease extractors and muffler tanks shall contain the proper amount of oil extracting surfaces and shall be fitted with manholes, with guards, gaskets, etc., complete.

488. The outside shells of the tanks shall be of the following dimensions:

Sixteen inches diameter by 51 inches long for the exhaust main from refrigerating pumps.

Thirty inches diameter by 72 inches long for the exhaust main from plumber's pumps, etc.

Twenty inches diameter by 56 inches long for the exhaust main from feed and drip pumps, etc.

The 16-inch diameter and the 30-inch diameter tanks shall be supported on cast-iron saddles set on brick foundations, faced with best white-enameled brick, with bull-nosed brick on the corners, and capped with fine-axed bluestone, 6 inches thick.

The 20-inch diameter tank shall be suspended from the boiler room ceiling in a substantial manner, as directed.

489. Provide inlets and outlets for exhaust steam connections, of same sizes as the sizes of the pipes connecting with tanks; also outlets for drips, etc.

Make all connections to and from the grease extractor and muffler tanks with the exhaust mains and with the low-pressure drip systems.

Provide in the exhaust piping for each tank a full-size by-pass with three valves, so that the exhaust steam can be passed through the tanks or by the same at will.

Steam Pumps, etc.

490. Do any required excavation and build brick piers for all pumps hereinafter specified, faced with best white-enameled brick, with bull-nosed brick on all corners, and capped with fine-axed bluestone 4 inches thick, and furnish and erect on same:

Two 10-inch by 7-inch by 10-inch duplex steam pumps for returning the water from the receiving tank to the boilers.

Five 6-inch by 4-inch by 6-inch duplex steam pumps for draining the high-pressure and the low-pressure drip tanks.

One 7½-inch by 5-inch by 6-inch duplex steam pump for draining the blow-off tank.

The above pumps shall be Worthington, Blake, Knowles or such equally good pumps as will meet the approval of the Architects and of sizes specified.

491. The pumps shall be brass-lined and brass-fitted throughout and built to stand high working pressure, and shall be furnished with metal valves for pumping hot water. The pumps for feeding the boilers shall be of the "Admiralty" pattern, capable of withstanding a working pressure of 250 pounds per square inch, and fitted with brass plungers and brass valves.

Provide all pipe connections with valves, etc., complete for the above pumps, as hereinafter specified.

Pump Governors.

492. Furnish, erect and connect complete four "Utility," "Kieley," "Standard" or such equally good automatic pump governors as will meet the approval of the Architects.

These governors shall be set on independent stands and be connected with the high and low-pressure drip tanks and pumps, and shall have 1¼-inch steam valves.

Drip Pans.

493. Furnish and set drip pans for all pumps supplied under this specification. These pans shall be made of polished brass or copper, No. 20 gauge, with neatly wired edges and fitted with draw-off cocks.

Injectors.

494. Furnish and connect with the boilers four No. 8 and two No. 6 "Monitor Pattern" Nathan, or such equally good injectors as will meet the approval of the Architects. Make all steam and other connections from and to the injectors, with all necessary valves, etc., complete.

Steam Separators.

495. Furnish, erect and connect one 8-inch and one 6-inch "Stratton," "Cochrane," "Utility" or such equally good steam separators as will meet the approval of the Architects. The separators shall be located in the main steam lines near the plumber's pumps.

The separators shall be of cast steel, extra heavy and built for a high working pressure, and shall be provided with inlets and outlets arranged to suit the space conditions and as directed.

Make all connections to and from the separators with the high-pressure steam pipes, with by-pass and three valves, and with the drip system complete, and provide and connect to same a glass water-gauge.

Low-pressure Steam and Return Headers.

496. Furnish and erect one low-pressure steam distributing header 20 inches in diameter and one return header 10 inches in diameter. These headers shall be of steel pipe of suitable length, with flanged nozzles welded on for each inlet and outlet. Provide outlets at the bottom for drips and suspend the headers in a substantial manner as directed.

The ends of the headers shall have "Van Stone" wrought steel flanged ends and be provided with blank flanges. The outlet nozzles for the live steam, exhaust and heating mains and returns must be properly spaced and be of suitable lengths so that all centres of valves will be in line.

Make all steam, return and drip connections complete to and from the headers.

Reducing Valves.

497. Furnish and connect the following five "Kieley," "Davis," "Locke" or such equally good pressure reducing valves as will meet the approval of the Architects:

One 3-inch by 6-inch and two 6-inch by 12-inch pressure reducing valves of the special '98 pattern for vacuum heating, in connection with the heating system and the hot water heaters.

One 1½-inch and one 8-inch pressure reducing valves, fitted with piston valves, for the high-pressure steam connections to the refrigerating generator, and for reducing the steam for the heating system to an intermediate pressure.

Provide by-pass with three valves around each reducing valve and make all connections with pipe systems complete. Supply and connect a steam gauge for each pressure reducing valve.

Back-pressure Valves.

498. Furnish and connect in the exhaust piping where indicated on plans one 10-inch and one 3-inch "Davis," "Kieley," "Locke" or such equally good back-pressure valves as will meet the approval of the Architects.

Supply and connect a steam gauge for each back-pressure valve.

Heads for Exhaust and Vapor Pipes.

499. Furnish and erect one 18-inch and one 7-inch condenser heads for the main exhaust and vapor pipes respectively. The condenser heads shall be built of ⅛ inch thick cold rolled copper, braced and supported in substantial manner and designed to meet the space conditions on the roof.

Detail drawing of the condenser heads shall be submitted to the Architects for approval.

Make proper connections with exhaust and vapor pipes, and provide drip pipes complete, leading to low-pressure drip tank or to proper receptacle in boiler room, as directed.

Gauges.

500. Furnish and set up in the pump room one gauge-board of required size, made of one-piece selected marble 2½ inches thick, metal trimmed, designed and finished as directed.

Supply and attach to the gauge-board one steam-pressure recording gauge, one marine clock, 12-inch face, one steam gauge for the boiler pressure steam main, one steam gauge for each pressure reducing valve, one gauge for the vacuum system and one compressed air gauge for the heat regulating system.

All gauges shall have 12-inch dials and shall have brass cases, plated and finished as directed. The gauges for the heating and vacuum systems shall be compound gauges.

The above gauges are in addition to those specified for the boilers and other apparatus.

501. Make all steam connections from the respective points to gauge with drains. All exposed pipes and fittings on gauge-board shall be of brass, plated and finished as directed.

Provide polished brass pans of required size under drain cocks of gauges, and drain pipes from pans to sump or other receptacle, as directed.

Feed and Drain Pipes, etc.

502. Provide fresh water supply pipes from the outlet left in the house service water piping and the outlet left in the street service header and connect these pipes into one main, with valve on each connection. Run this main to and connect with the cooling coils in the blow-off, low and high-pressure drip tanks in the boiler room. Provide a by-pass with three valves around each cooling coil and run the discharge from the cooling coils to and connect with the automatic float valve on the receiving tank and with the receiving tank and with the sewer, as directed.

All this piping and all the connections to and from the cooling coils and the by-passes shall be 3 inches in diameter.

503. Provide fresh water supply pipes from the outlet left in the house service water piping and from the outlet left in the street service header and connect these pipes into one main, with valve on each connection. Run this main to and connect with the cooling coils in the low and high-pressure drip tanks in the pump room. Provide a by-pass with three valves around each cooling coil, and run the discharge from the cooling coils to and connect with the plumbing apparatus and with the sewer as directed. All this piping and all the connections to and from the cooling coils and the by-passes shall be 2 inches in diameter.

504. Provide fresh water supply pipes from the outlet left in the house service water piping and from the outlet left in the street service header and connect these pipes into a 2½-inch main, with valve on each connection, and run this main to and connect with each injector and each feed pump.

The size of the connections to the injectors shall be full size of injector inlet.

505. Furnish and erect all boiler feed piping and connect the feed pumps with the boilers in the following manner: Run a discharge pipe from each pump and connect into a 5-inch main feed line. Run this main to and connect with the feed-water filters and the feed-water heater, with a by-pass around each and three valves. Run from the feed-water heater to and connect with the feed-water meters, with by-pass around each and three valves, and from the meters to the feed inlets on all the boilers. The main feed line connecting the feed pumps, the filters, the heater and the meters with the boilers shall be full size the entire run, and shall run from the pumps to the boilers and back again to the feed pumps, forming a complete circuit, so arranged that the boilers can be fed in either direction of the circuit.

506. Provide plugged outlets where directed, and arrange the feed line so that the same can be extended.

Provide a valve on each boiler and pump connection close to the feed main; also provide valves in the main feed line between each boiler connection, and a valve between each pump connection, and valves between the pump and boiler connections.

Furnish and erect all the feed piping connecting the injectors with the feed inlets of the boilers, and provide by-pass with three valves around each injector.

507. Provide all valves, check valves, etc., required, in addition to those specified, and connect the pump and injector feed piping complete, so that the boilers can be fed by the feed pumps through the main feed piping, and by the injectors through the injector piping.

Furnish and erect all blow-off piping, and connect the blow-off outlets of the boilers into a 4-inch main blow-off line, and run this main to and connect with the blow-off tank and the blow-off pump. Also run a drain pipe from the lowest point of the blow-off main to the sump, as directed.

Provide and connect the suction pipe from the blow-off tank to the blow-off pump; also provide and connect the discharge pipe from the blow-off pump to the sewer outside of building.

508. Provide water connections for the damper regulator and the forced-draft regulator, taking the same from such parts of the water piping where a constant pressure can be obtained.

Provide and connect fresh cold water supply pipes to the jet condensers for the vacuum pumps.

Provide overflow and drain connections for the receiving tank, and run same to the sump.

509. Provide the suction pipes from the high-pressure drip tanks, and connect same with the pumps and governors and run the discharges from these pumps to and connect with receiving tank in the boiler room.

Provide a suction pipe from the catch basin in the pump pit in the pump room, with foot valve and strainer, also the suction pipes from the low-pressure drip tanks and the blow-off tank, and connect same with the pumps and governors; also provide and connect the discharge pipes from these pumps to the sewer outside of building.

Furnish all required valves, etc., and cross-connect the blow-off, high and low-pressure drip pumps in the boiler room, also the three drip pumps in the pump room.

510. Provide drain connection with valves from each individual section of the tempering and heating coils, from the high and low-pressure drip tanks, from the blow-off tank and from the return mains of the heating system, and run same to and connect with the sump or other receptacle as directed.

All feed, water and drain pipes, etc., shall be provided with all required valves, and shall be run and arranged as will be directed, and be complete in every particular.

Make arrangements for the proper location of the required outlets in the water service, drain and sewer mains.

High Pressure Steam, Exhaust and Drip Pipes, etc.

511 Furnish and erect all high pressure steam piping and connect the boilers with the house service and fire pumps, the refrigerating machinery, the return and drip pumps, the air compressors, the pressure reducing valves, etc., in the western portions of the basement, also with the feed, return, blowoff and drip pumps, fan engine, sump ejectors, draft and damper regulators and pressure reducing valves in the boiler room, and with all other appurtenances and fixtures, etc., requiring live steam connections.

Provide special outlets for the auxiliary steam piping on the main high pressure steam branches from all the boilers. Each outlet shall be placed close to the stop and isolating valve on the boiler outlet.

Run a branch from the auxiliary outlet on each boiler branch, and connect these branches into a high pressure auxiliary steam main. Run this main to the various groups of pumps, etc., and connect the same with the main high pressure piping, as indicated on plans.

512. All individual branches to and from the mains shall be run to and from the top of the same, and shall be so valved that in every case there shall be two valves, one near the main pipe and one at the boiler, pump, etc.

Make proper connections in the main and auxiliary steam lines with the steam separators, with full size by-pass and three valves around each.

513. Supply and connect a nickel plated oscillating automatic lubricator for the steam connection to each engine, pump, air compressor, etc., supplied by this specification. The capacity of these lubricators shall be one, two or four quarts, as may be directed.

Make complete steam connections for the injectors, connecting each injector with its boiler independent of the main steam piping. These connections shall be taken from the special outlet on the steam outlet fitting of each boiler.

514. Furnish and erect all reduced high pressure steam supply piping connecting the 8-inch high pressure reducing valve (reducing the boiler pressure to an intermediate pressure), with the two 6-inch by 12-inch pressure reducing valves for the low pressure distributing systems.

Furnish and erect all reduced high pressure steam piping connecting the high pressure reducing valve with the generator of the refrigerating machinery, and the corresponding return piping connecting this apparatus with the high pressure drip tank.

Provide and connect a complete system of high pressure drips for the high and reduced high pressure distributing pipes, for the steam separators, and for all other apparatus using high pressure steam. Connect all these drips with the high pressure drip tanks, as directed. The drip pipes from the high pressure steam distributing piping and from each apparatus, etc., shall be suitably trapped, and each trap shall have a by-pass and three valves.

515. Furnish and erect a system of exhaust pipes, connecting the house and fire pumps, the refrigerating machinery, the return and drip pumps, the air compressors, etc., in the western portions of the basement, also the feed, return, blowoff and drip pumps, fan engine, sump ejectors, etc., in the boiler room, and all other machinery exhausting steam, with the grease extractors and muffler tanks.

Provide full size by-pass with three valves around each grease extractor and muffler tank, and run the exhaust main from the same, as indicated on the plans. Connect the exhaust mains with the vertical free exhaust pipe, also with the feed-water heater, with the low pressure distributing header, with the forced draft air supply, with the hot water heaters, with the refrigerating apparatus, etc.

Make proper connections with the back pressure valves.

516. Furnish and erect the 18-inch vertical free exhaust pipe and connect same with the condenser head on roof. Provide substantial beam foundation, anchors, etc., and support this pipe in a secure manner, and provide proper bracing for the vertical run; also provide a special outlet at the bottom, as directed.

Provide and connect gate valves on all exhaust branches from the aparatus connecting with the exhaust mains; also on all branches to and from the grease extractor and muffler tanks, the hot water heaters, the refrigerating apparatus, etc.

517. Provide a complete system of low pressure drips from the exhaust mains and branches wherever required, also from the cylinders of all pumps, air compressors, etc., for which steam connections are specified; also from the grease extractor and muffler tanks, from the feed-water heater, from the low pressure distributing header, from the condenser heads, and from other apparatus as required, connecting with the low pressure drip tanks, as directed.

The drips from the exhaust pipes and from the fan engine, all pumps, air compressors, grease extractor and muffler tanks, hot water heaters, etc., shall be suitably trapped, and each trap shall have a by-pass with three valves.

"Anderson," "Kieley," "Standard" or such equally good float traps (with gauge glasses and removable strainers), as will meet the approval of the Architects, shall be used for the entire high and low pressure trap systems.

518. Provide and erect a 5-inch vapor pipe from the receiving tank, a 3½-inch vapor pipe from the blowoff tank, a 3½-inch vapor pipe from each of the high pressure drip tanks, and a 3-inch vapor pipe from each of the low pressure drip tanks, with valve on each branch. Run these branches to and connect same into a 7-inch main line. Run the 7-inch pipe up to and connect with the 7-inch condenser head on roof. Provide substantial beam foundation, anchors, etc., and support this pipe in secure manner and provide proper bracing for the vertical run.

All steam, exhaust and drip connections for the house service and fire pumps, for the refrigerating machinery, for the hot water heaters, for the sump ejectors, etc., including the connecting of the governors furnished with the same, shall be made complete.

519. The high and reduced high pressure steam and exhaust pipes shall be installed with particular care with a view to prevent transmission of sound and vibration through the building, supporting the mains from below on suitable pipe columns, securely anchored to the floor, or by any other means as directed.

Low Pressure Steam and Return Pipes, etc.

520. Furnish and erect the low pressure steam piping connecting the low pressure reducing valves and their by-passes with the low pressure distributing header, and all the low pressure steam piping connecting this header with all heating surfaces in the building, and all the return piping connecting these heating surfaces with the return header and with the vacuum return pumps in the boiler room, divided into the following independent systems:

A system of steam piping connecting all radiators and coils, etc., in the fifth and upper stories of the building with the distributing header, and all return piping connecting these heating surfaces with the return header.

A system of steam piping connecting all radiators, etc., in the second, third and fourth stories with the distributing header, and all return piping connecting these heating surfaces with the return header.

A system of steam piping connecting all radiators and indirect heating coils for the heating of the entrances, etc., with the distributing header, and all return piping connecting these heating surfaces with the return header.

A system of steam piping connecting all coils, etc., in the basement mezzanine with the distributing header, and all return piping connecting these heating surfaces with the return header.

A system of steam piping connecting the tempering coil with the distributing header, and all return piping connecting the tempering coil with the return header.

521. Connect the several sections of the tempering coil by headers for inside and outside groups, located so as to bring the valves on the individual sections in convenient position for hand control.

Furnish and erect all the low pressure steam piping, connecting the exhaust main with the refrigerating machines, and all the return piping connecting the refrigerating machines with the high and low pressure drip tanks and the vacuum return pumps in the pump room.

Furnish and erect all the low pressure steam piping connecting the exhaust main and the pressure reducing valve with the hot water heaters, and all the return piping connecting the hot water heaters with the high and low pressure drip tanks and the vacuum return pumps in the pump room.

Furnish and erect the discharge pipes from the vacuum return pumps in the boiler room and in the pump room, and run the same to and connect with the receiving tank in the boiler room. These discharge pipes shall be of the same size as the discharge outlets of the pumps.

522. Provide relief pipes at the foot of each steam supply riser, also relief pipes from each expansion loop, from each horizontal transfer of the steam risers, and on the horizontal mains wherever required. Connect all the individual relief pipes into separate mains and run these mains to and connect with the vacuum pumps and with the receiving tank. Form suitable seals on the tank connections, so arranged that they will discharge into the receiving tank by gravity, and provide thermostatic traps on the connections to the pumps and provide a valve on each connection. All relief mains shall be run corresponding to the main steam and return lines. All horizontal return mains shall be run above the vacuum pump suction so that the water will flow to the pumps by gravity.

Each set of risers shall have valves on steam, return and relief connections close to the respective mains.

523. Special provision for expansion and contraction shall be made in the rising lines and their connections so that there will be no lifting of radiators or coils and no undue strain on the pipe work under any condition.

Provide two expansion loops in each vertical rising line where indicated on the plans. These expansion loops shall be run in the floor construction below finished floors. Encase each expansion loop in a galvanized iron box made of No. 22 gauge galvanized iron. Each box shall completely enclose the expansion loop and must be made water tight.

524. Supply any extra risers as directed, in addition to those marked on plans, should the detail of the building construction make such risers necessary.

All radiator connections to and from risers shall be run below the finished floor line, allowing sufficient clearance above same for the floor material and the non-conducting covering.

The Contractor shall take particular care in running the radiator branches, and if any radiators do not circulate, due to trapped radiator connections, he shall make proper alterations in these defective connections.

525. The Contractor shall also make any required changes in the risers and radiator connections if for any reason whatever the risers and radiator connections do not permit the proper application of the future non-conducting covering, or if the risers, when covered with non-conducting material, cannot be encased properly in furring blocks, or if the radiator connections, when covered with non-conducting covering and iron protection, do not permit the proper thickness of floor construction to go over same

During construction, the Contractor shall properly cap all steam, return and other pipe lines so as to prevent their being stopped up with sand, dirt or other material.

526. The sizes of horizontal mains and risers shall be as marked on plans. The connections from the risers to the radiators, etc., shall be in accordance with the schedule below:

¾-inch steam pipe and ½-inch return up to 40 sq. ft. rad. surface.
1-inch steam pipe and ½-inch return up to 90 sq. ft. rad. surface.
1¼-inch steam pipe and ¾-inch return up to 160 sq. ft. rad. surface.

The individual relief pipes from rising lines, expansion loops, mains, etc., shall be not less than 1 inch.

Notes as to Pipe Work.

527. The plans accompanying this specification indicate generally the sizes and directions which the main high-pressure steam, exhaust, heating, return and relief pipes are to follow, and while these sizes must not be decreased, it shall be distinctly noted that the right is reserved to change runs and sizes of pipes to accommodate the conditions during the progress of the work.

All pipes not shown on plans shall be of sizes as specified or as directed, and shall be run subject to the approval of the Architects.

528. All pipe work must be put in the most approved manner, at proper grades to secure easy and rapid circulation, and to prevent all snapping noises and water hammering. The piping must be erected with proper provision for expansion and contraction. The steam pipes in the basement shall be run so as to avoid the passing of pipes through the duct work.

529. All steam pipes 4 inches in diameter and over subjected to boiler and reduced high-pressure shall be standard guaranteed full-weight steel pipe, with "Van Stone" flanged ends with extra heavy rolled weldless steel flanges.

All fittings for the piping 4 inches in diameter and over subjected to boiler and reduced high-pressure shall be extra heavy gun iron flange fittings.

All steam pipes smaller than 4 inches in diameter subjected to boiler and reduced high-pressure shall be extra strong wrought iron pipe, with extra heavy gun iron screw or flange fittings.

530. All return and relief pipes in their transit through the first story from the basement ceiling to the level of the second floor, shall be of standard iron size brass pipe with standard iron size brass fittings.

All high and low-pressure drip piping, all trap discharge pipes, all radiator connections and all low-pressure steam, return and relief risers, except the return and relief risers through the first story, shall be made up of extra strong wrought iron pipe with heavy fittings of best grade cast iron.

All exhaust pipes and low-pressure steam pipes 6 inches in diameter and over shall be standard guaranteed full weight steel pipe, with "Van Stone" flanged ends, with rolled weldless steel flanges and heavy flange fittings of best grade cast iron.

531. Furnish special patterns and cast suitable fittings for the high-pressure, low-pressure and exhaust piping, etc., where required and where space conditions make such fittings necessary.

Flange faces of fittings shall be raised to meet the "Van Stone" flanged ends of pipes.

532. All boiler feed piping from the feed pumps to the boilers, all boiler feed piping from the injectors to the boilers, all blow-off piping from the blow-off valves of the boilers to the blow-off tank shall be of extra strong iron size copper pipe, with "Van Stone" flanged ends and extra heavy rolled weldless steel flanges and extra heavy iron size bronze fittings. All exposed parts of the copper piping at the boilers, etc., directed to be left uncovered shall be polished.

All suction pipes from the receiving, blow-off, low and high-pressure drip tanks to the pumps and governors and all discharge pipes from the blow-off, low and high-pressure drip pumps to the sewer and the receiving tank, shall be of standard iron size brass pipe with standard iron size brass fittings.

All cold water pipes shall be standard guaranteed full weight galvanized wrought iron pipe with galvanized heavy fittings of best grade cast iron.

All pipes not otherwise specified shall be standard guaranteed full weight wrought iron pipe with heavy flanged or screw fittings of best grade cast iron.

533. Furnish bent pipes where indicated; also furnish bent pipes for turns and offsets wherever possible to do so and thereby minimize joints in the piping.

All pipes shall be bent while hot to proper shape and true curves, without decreasing the cross-sectional area or flattening. All "Van Stone" and other flange joints shall be packed with corrugated copper or other approved gaskets, as directed, and bolts on flanges shall have standard hexagon nuts. Screw joints shall be made tight without calking.

534. All piping specified above, except the wrought iron pipes, shall be of the standards defined by the National Tube Company. All wrought iron pipe must be stamped with the manufacturer's name. The ends of all pipes specified to have "Van Stone" flange joints shall be upset, before flanging, to a thickness 50 per cent. greater than the original thickness of the pipe.

All fittings and flanges specified to be extra heavy shall be good for 250 pounds working pressure, and all other fittings and flanges shall be good for 125 pounds working pressure.

Supply suitable supports, piers, clamps, hangers and stands with rollers, etc., and support or suspend all piping in the building in a proper manner and as directed.

Valves, etc.

535. Supply all valves on the steam piping subjected to boiler and reduced high-pressure, all valves on the high and reduced high-pressure drip system, and all valves on the blow-off piping, of the "Chapman," "Crane," "Walworth" or such equally good manufacture as will meet the approval of the Architects, of extra heavy pattern, designed to withstand and close tight under a working pressure of 250 pounds per square inch. These valves shall have bronze-faced plugs, removable bronze seat rings and bronze stuffing boxes.

The extra heavy pattern valves, 8 inches in diameter and over, shall have reinforced iron bodies and shall be supplied with by-passes, bronze-mounted in same manner as specified for the main valves.

536. Supply all valves on the exhaust piping, all valves on the cold water piping, all valves on the pump suction and pump discharge piping, and all valves on the low-pressure drip piping, of the "Chapman," "Crane," "Walworth" or such equally good manufacture as will meet the approval of the Architects, of heavy make and bronze-mounted in same manner as specified for the extra heavy valves, except that the seats of the valves subjected to low-pressure shall be of babbitt.

Supply all valves on the feed mains and branches of the Hancock Inspirator Company," "Chapman," "Crane" or such equally good manufacture as will meet the approval of the Architects, designed to withstand and close tight under a working pressure of 250 pounds per square inch. Large as well as small valves on the feed piping shall have brass bodies and the seats and discs of these valves shall be special bronze.

537. All valves specified above shall have the self-packing feature, enabling them to be packed while open and under pressure, and shall have rising spindles and be of outside screw and yoke pattern wherever possible; they shall be of straightway or angle gate patterns, or angle globe pattern, as directed, and shall be designed to meet the special conditions as shown and as directed.

538. Supply and connect with the steam outlet of each boiler a "Hubner & Mayer," "Chapman," "Locke" or such equally good double-acting combined stop and isolating valve as will meet the approval of the Architects. These valves shall be designed to work automatically in horizontal or any other position, and shall be built to withstand and close tight under a working pressure of 250 pounds per square inch, and shall have nickel seats and disks and all other working parts of special steam metal.

Small as well as large valves on the exhaust piping shall be gate valves.

539. Supply all valves not otherwise specified of heavy make of the "Jenkins Bros.," "Fairbanks," "Crane" or such equally good manufacture as will meet the approval of the Architects.

540. All valves 2½ inches diameter and less shall be of steam metal with finished trimmings, and all valves exceeding 2½ inches diameter shall have iron bodies and brass trimmings, except as otherwise specified. Valves on radiators and coils, and all other exposed valves not covered with non-conducting material, shall have polished or nickel-plated trimmings.

Provide and connect all valves as indicated on plans or specified, and any other valves required on mains and branches as directed; also valves on supply, exhaust, return and drip connections for all apparatus provided for by this specification, as well as for all apparatus specified to be connected.

541. Provide and connect a thermostatic diaphragm valve on the supply end and a vacuum return valve on the return end of each radiator and heating coil, except on the heating coils in the basement mezzanine, which coils shall have hand-control valves instead of diaphragm valves on the supply end.

Supply and connect thermostatic diaphragm valves on the supply and return branches for the inside and outside groups of the tempering coil; also a hand-control valve on each supply and a vacuum return valve on each return connection of the individual sections of the tempering coils.

Supply and connect a diaphragm valve and a hand valve on the supply branch, and a hand valve and a vacuum return valve on the return branch of each individual section of the heating coils for the entrance heating.

All thermostatic diaphragm valves shall be of make mentioned under the clause "Thermostatic Control." The vacuum return valves shall be manufactured by the same company whose vacuum return line system is approved by the Architects.

542. Provide and connect a pet-cock and a drain-cock in addition to the thermostatic and vacuum valves, on each individual section of the tempering and heating coils; also supply and connect pet-cocks and air valves on all other fixtures and appurtenances wherever required and as directed.

Provide and attach plates or tags with lettering, as directed on the following valves: On all valves on the distributing and return headers for the heating system, and on all steam, return and relief pipes in the basement mezzanine, fourth story and twenty-fourth story, on all valves on the boiler-feed and on the high pressure steam branches leading to and from the mains, and on all valves on the vapor pipes.

All plates and tags shall be of brass, polished and lacquered, and all lettering shall be filled in with black paint.

Return Line Vacuum System.

543. Install the "Warren Webster," "Cryer" or such equally good vacuum return line system as will meet the approval of the Architects, in connection with the heating apparatus, the tempering coils for fresh air supply, the heating coils, the hot water heaters, the feed water heater, the refrigerating machines, and all other apparatus using exhaust steam.

544. Build brick piers faced with best American white enameled brick, bull-nosed brick to be used on corners, and capped with fine-axed bluestone 6 inches thick, and provide and erect on same four "Knowles," "Blake," "Dean" or such equally good vacuum return pumps as will meet the approval of the Architects. Two of these pumps for the heating and ventilating system, etc., shall be 12 inches by 18 inches by 24 inches, and the other two pumps for the hot water heaters and the refrigerating machines shall be 6 inches by 8 inches by 12 inches. These pumps shall be brass-fitted and brass lined and designed to conform with all requirements as specified for other pumps.

545. Furnish and erect two polished marble gauge boards, located in convenient position near the pumps, and provide and attach to each two compound gauges, to be connected to the steam and return mains in such positions as to show the average pressure or vacuum.

Furnish and connect in the suction pipe near each pump a combination dirt catcher and jet condenser; also provide a valve on each return before entering the dirt catcher, and make all cold water connections, with valves, etc., complete for the jet condensers.

Furnish and connect the vacuum return valves for all radiators, heating coils, indirect stacks, tempering and heating coils, and all thermostatic traps, valves, etc., for the feed water heater, hot water heaters, refrigerating machines, relief lines, etc. Each vacuum return valve and trap shall be of suitable size and design to meet its special condition of work.

546. All the above apparatus and all special appliances required in connection with the system, together with any licenses required for installing and operating the system, shall be secured from the owners of the vacuum system selected.

The entire system of steam and return pipes must be run at proper grades and arranged to secure a dry return pipe system draining to the vacuum pumps.

The attachment and adjustment of the vacuum return valves shall be done under the direction of the manufacturers, who shall also supervise the installation of their system and give the necessary instructions for the operation of the same.

The Contractor shall keep the system in repair for two years free of charge.

Radiators and Coils, etc.

547. Furnish, set and connect all radiators and heating coils as per plans.

The radiators shall be of the sectional type, with threaded cast iron nipples. The radiators must be of design and pattern as per samples in the Architects' office, and of such manufacture as will meet the approval of the Architects. They shall be single, double and three column radiators, as marked on the plans, and curved where set on curved walls.

All heating coils shall be made up of standard guaranteed full weight wrought iron pipe, with heavy cast iron headers or return bends, as directed.

Provide all required hangers, stands, brackets, and supports for radiators and coils located on walls, etc., so as to support them at the desired height.

548. The plans indicate the number, the approximate location and height of radiators and coils, the heating surfaces, etc. The exact location, sizes and number of radiators and coils shall be as directed.

The Contractor must measure the actual height of sills and spaces allotted for radiators and coils, and proportion the dimensions of the radiators and coils to the existing conditions.

The Contractor shall furnish brick blocks of suitable size, and set in cement mortar, for supporting the radiators at the proper height.

Set the radiators on these blocks in the exact locations required for the radiators allowing for the furring and trim of the rooms, and connect the radiators in such a manner that the same can be easily disconnected and removed to permit the laying and finishing of the floors.

Gutters Underneath Coils, etc.

549. Furnish and put in place 18-ounce copper gutters underneath coils in skylights and other overhead heating coils. Also furnish No. 22 gauge galvanized iron gutters underneath pipe transfers in suspended ceilings, cornices, etc., and wherever desired.

All gutters shall be soldered and made watertight and suspended in first class manner.

Provide drip pipes from the gutters below coils and below pipe transfers, and run such drip pipes to and connect with the plumbing, as directed.

Wall Pockets for Access to Valves.

550. Provide boxes for wall pockets containing valves for steam and return risers. These boxes shall be made of 18-ounce copper, enclosing the risers, headers, valves, etc., and shall form tight joints around the pipes where they pass in and out of same.

Provide tight closing steel doors, with suitable cast iron frames for access to the valves in the wall pockets. The boxes shall be temporarily suspended from the steam risers, and set in such positions that the same can be built into the future furring and permit doors in the furring outside the boxes.

FORCED BLAST APPARATUS.

551. Furnish and erect the forced blast apparatus for the boiler plant, consisting of a steel plate pressure blower with direct connected steam engine, and the steam and other connections required, as well as the duct work and the non-conducting covering, all as hereinafter specified.

Foundations.

552. Do all required excavating and build foundations for the steam engine and the blower, of best hard-burnt brick, laid in cement mortar. All exposed brickwork of the foundations shall be faced with best American white enameled brick, bull-nosed brick to be used on all corners.

Cap the foundations for the steam engine and the blower with fine-axed bluestone 6 inches thick, with rounded corners and beveled edges and fastened to the brickwork by means of anchor bolts extending through the foundations and the capstones.

Forced Blast Blower, Steam Engine, etc.

553. Provide and erect one steel plate centrifugal fan, designed and built for forced blast. The fan housing shall be of sufficient size to admit blast wheel 8 feet in diameter by 4 feet wide.

The wheel of fan shall be of such special design that the air delivery from the fan will be restricted to the correct amount required for the present boiler capacity. The fan housing and wheel shall be so arranged that the wheel can be readily changed.

554. The fan wheel shall have curved blades, and shall be inclosed in full steel plate housing, designed with inlet and outlet to meet the space conditions, and properly braced to prevent vibration. Such parts of the fan housing extending below the floor level shall be made watertight. The fan shall be provided with a steel shaft of ample diameter, arranged for direct connection with the steam engine by means of suitable coupling.

Support the fan by bearings properly fastened to the housing of the fan.

All bearings shall have self-oiling devices, with oil cups located in convenient position.

555. Furnish, erect and connect with the blower one 10-inch by 12-inch horizontal steam engine, capable of driving the blower at a maximum speed of 225 revolutions per minute.

The cylinder and valve chest shall be made of the best close grained cast iron, the single casting to include cylinder and steam chest. The cylinder shall be thoroughly insulated with magnesia, covered with lagging of planished steel and fitted with a balanced piston valve operating in a removable bushing. The cylinder shall be tapped for relief valves of large diameter, adjustable to open automatically at any predetermined pressure.

The connecting rod, piston rod and shaft shall be of open hearth steel, each a single forging. The balancing counterweights shall be firmly secured to the webs on the crank shaft. The connecting rod shall be provided with removable semi-steel boxes at the crank pin end, lined with best babbitt metal. At the cross-head end the connecting rod shall have a steel strap, bolt, key and brass boxes. The piston shall be of cast iron, cored for lightness, and have internal ribs for strength and stiffness. The piston shall be secured on the piston rod by forced taper fit and nut. The cross-head shall move in guides cast in one piece, with the engine frame, and be equipped with adjustable slippers and provided with steel cross-head pin flattened on two sides.

556. The engine frame must be oiltight and bolted to a heavy cast iron sub-base. Provide opening in the crank case for access to the interior of the frame. The entire engine frame shall be filled, rubbed down and painted as specified under clause "Painting." Provide a watershed partition between the cylinder and the cross-head, having a bronze stuffing box to prevent the water from the cylinder stuffing box being carried into the frame, and also to prevent the oil in the frame from entering the cylinder.

The bearings shall be lined with babbitt metal, hammered in and bored out. An adjusting piece for taking up wear shall be fitted in the bearings, which shall be adjustable from the outside by set screws.

557. The system of lubrication for the engine shall be what is known as the gravity system, consisting of a tank and necessary pipes and passages to supply the crosshead guides, wrist pin, main bearings, eccentric strap, valve stem guide and centrifugal oiler for the crank pin, and a pump to return oil to tank. The tank and all piping shall be planned so as to be readily accessible. The tank shall be provided with a gauge glass.

Furnish and set in a neat wrench board, a full set of wrenches and other tools required for the adjustment of the engine.

558. Furnish and set in the bridge wall openings of the boilers, suitable blast dampers with frames and operating devices arranged for convenient hand control.

Furnish and set a first-class automatic governor for the speed control of the forced-blast engine, and make all steam, water and other connections for the same complete.

Note.

559. The above forced-blast fan, engine and blast dampers shall be of the same manufacture as the blowers, tempering coils, etc., specified for the ventilating apparatus. The Contractor shall submit plans of the apparatus for approval by the Architects.

Ducts, Steam Connection, etc., for the Forced Blast System.

560. Furnish and erect the air intake ducts connecting the screens at the boiler room ceiling with the inlet of the forced-blast fan.

Furnish and erect all air distributing ducts and flues connecting the outlet of the forced-blast blower with the blast damper frames.

All ducts and flues, whether run exposed or in trenches, shall be built of best bloom galvanized iron No. 26 gauge, built in a strong and substantial manner, with slip joints presenting smooth surfaces on the inside and neatly finished on the outside. The ducts shall be built airtight and braced with angle iron spaced 4 feet apart.

561. The ducts and flues shall be designed with curves and bends, etc., so as to effect an easy flow of air. The inside radius of all curves on ducts and flues shall not be less than the width of same.

Provide adjustable dampers in all branch connections.

Furnish and erect all required piping and run a 3-inch exhaust steam connection to and connect with the main air duct, as directed.

VENTILATING AND INDIRECT HEATING APPARATUS.

562. The ventilating apparatus shown on plans provides for fresh air supply for the machinery department, and tempered fresh air supply for the spaces in the basement mezzanine of the building, as well as exhaust ventilation for the machinery department and for the spaces in the basement mezzanine.

The indirect heating apparatus shown on plans is for heating of the main entrances by means of air circulated through heating coils located in the basement mezzanine.

Foundations.

563. Furnish and erect all steel and brickwork required, and build foundations for the tempering and heating coils, the motors, the blowers and exhausters and the bearings. All brickwork for the foundations shall be best hard-burnt brick laid in cement mortar. Cap the foundations for the blowers and exhausters with fine-axed bluestone 12 inches wide by 6 inches thick, with beveled edges and fastened to the brickwork or floor construction by means of anchor bolts with countersunk nuts. Bolt the blower and exhauster housings to the foundations or floors, extending the anchor bolts up through the angle iron bases of the fan housings.

Cap the foundations for the tempering coils, heating coils, motors and bearings with fine-axed bluestone 6 inches thick. All exposed brickwork of the foundations shall be faced with best American white enameled brick, with bull-nosed brick on all corners.

Centrifugal Fans.

564. Provide and erect four steel-plate centrifugal multivane fans, as shown on plans.

Two fans for exhausting air from the basement mezzanine spaces and the machinery rooms shall each have a blast wheel not less than 52½ inches in diameter, set in a casing not less than 36¼ inches wide.

Two fans for exhausing air from the basement mezzanine spaces and the machinery room shall each have a blast wheel not less than 58¼ inches in diameter, set in a casing not less than 40¼ inches wide.

The two exhaust fans shall be coupled together on one shaft.

The fans shall be enclosed in full steel plate housings, designed with inlets and outlets to meet the space conditions, and must be properly braced to prevent vibration.

The fans shall be provided with steel shafts of ample diameter, supported by bearings on cast-iron pedestals located as indicated on the plans. All bearings shall have self-oiling devices, with oil cups located in convenient positions.

Connect the fan shafts with motors by means of flexible flange couplings.

Tempering, Heating Coils, etc.

565. Furnish and erect one set of tempering coils and two sets of heating coils, as follows:

One set of coils in connection with the blower for the basement mezzanine spaces shall have 1,162 square feet heating surface, made up of six 2-row sections 8 feet wide by 6 feet high, making the coil 12 rows deep.

Two sets of coils in connection with the 42-inch disc fans for the heating of the entrances shall each have 660 square feet of heating surface, made up of four 4-row sections 4 feet wide by 5 feet high, making the coil 16 rows deep.

566. The sections shall be of mitre pattern and shall be made up of 1-inch pipe screwed into separate cast-iron headers on the steam and return ends, and arranged to secure a positive circulation of steam. The pipes shall be spaced 2⅛ inches on centres and the steam and return headers shall be tapped as indicated on the plans.

567. All coils shall be encased in jackets of steel plate No. 10 gauge, inclosing the coils. The tempering coil casing shall extend from the fresh air chamber to the blower inlet. The casings for the heating coils shall extend to and enclose the disc fan on one end, and extend to and connect with air duct on the other end. The jackets shall be made removable and shall be properly stiffened and braced to prevent vibration, and the ends connecting with the brickwork and galvanized iron ducts shall be fitted with angle iron flanges.

Note.

568. The centrifugal fans, tempering and heating coils, casings and other steel and metal work, shall be of B. F. Sturtevant Company's, Sirocco or such equally good manufacture as will meet the approval of the Architects. The Contractor shall submit detailed plans of the apparatus and the foundations, supports, etc., for approval by the Architects.

Thermometers.

569. Provide and set in place seven accurate thermometers of large size and of special design, with extended bulbs for inserting into the air ducts, filter chambers and feed pipes.

Two of the thermometers shall have extra long bulbs for inserting into the fresh air chamber through the brick wall, and three thermometers shall have suitable bulbs for inserting into the tempered and heated air ducts, and two for inserting into the boiler feed pipe, where directed.

Disc Fans.

570. Furnish and erect for heating the entrances, two Blackman type disc fans of 42 inches diameter, with circular frames, hangers, bearings, etc., and arranged for direct-connected electric motors.

The wheels of each exhaust fan shall be built up on two hubs, with bores in perfect alignment; from one of these hubs spokes shall radiate and connect with a tire, and from the other hub ribs shall radiate so as to reinforce and carry the curved edges of the blades. Both ribs and spokes shall be secured to blades so as to offer no impairment to the passage of air over the convex side of blades, and the blades shall be curved at the periphery to such form as shall force the air taken in at the inlet side of the fan away from the convex side of fan at an angle of about 30 degrees from its axis or line of fan shaft. Each fan wheel shall be mounted in a circular wrought or cast-iron ring carrying three or more wrought-iron arms, which shall hold securely in alignment the self-oiling bearings in which the fan shaft rests.

Furnish and set two octagonal angle iron supporting frames for the disc fan. These frames shall be built of 3-inch by 3-inch by ⅜-inch steel angles, riveted together and securely anchored to the building construction.

The disc fans shall be of manufacture as will meet the approval of the Architects. The Contractor shall submit detail plans of the apparatus for approval by the Architects.

Electric Motors.

571. Furnish and erect five slow-speed electric motors for driving the centrifugal and disc fans.

Two motors for driving the air supply blowers shall each develop 12 horsepower at a maximum speed of 220 revolutions per minute.

Two motors for driving the 42-inch disc fans shall each develop 4 horsepower at a maximum speed of 400 revolutions per minute.

One motor for driving the two exhausters shall develop 30 horsepower at a maximum speed of 200 revolutions per minute.

The motors shall be of the multipolar type, built for field control, specially designed for the purpose and provided with flange couplings for connection with the fan shafts. The magnetic frames of the motors shall be made of soft steel castings of the highest permeability, and the poles shall be cast integrally with the frames. The field coils shall be wound on insulated bobbins and held securely in place by the pole shoes, which shall be accurately machined and securely bolted to the poles by bolts extending through from the outside of the magnet frames. The armatures shall be of the clotted form wound type, and the laminæ in the armature coils shall be electrically insulated by the oxidization process; the brush holders shall be of the "Reaction" type, and shall be so designed that the direction of rotation of the commutators tends to press the carbon against the brush holders; the contact plane shall be at an angle of 20 degrees with the radius of the commutator. The motors shall be provided with Cutler-Hammer or equally good "field-control" speed-regulating devices allowing at least six variations in speed, ranging from one-half to the full speeds given above.

No external resistance whatever shall be inserted in the armature circuit except for starting purposes. The commercial efficiency of the motors shall not vary more than 10 per cent. under their different speeds. After a continuous run of ten hours at full load and maximum speed no part of the motors shall show a temperature increase exceeding 35 degrees Centigrade above the surrounding air.

Provide all switches, automatic safety devices, etc., required, everything erected complete and ready for wire connections. The controlling switches, etc., for the motors shall be located at convenient points where directed.

Provide an extra set of brushes for each motor and everything to make the motors complete.

Provide flexible flange couplings, and connect the motors with the fan shafts.

The electric wiring will be done as specified under electrical work.

572. The electric motors shall be of the C. & C., Sprague, Western Electric, or such equally good manufacture as will meet the approval of the Architects.

Note.

573. All electric motors and all electric apparatus, etc., in connection with same, called for by this specification, must be installed in compliance with the requirements of the departments controlling these matters in the City and State of New York.

Any safety devices, etc., or other work and materials necessary to meet these requirements, shall be furnished without extra cost.

Galvanized-iron Ducts, Flues, etc.

574. Furnish and erect all galvanized-iron ducts, flues, etc., as indicated on plans, consisting of the following:

A system of ducts and flues connecting the outlet of one of the air supply fans with all air supply registers and outlets in the machinery department.

A system of ducts and flues connecting the outlet of the other air supply fan with all air-supply registers in the basement mezzanine spaces.

All warm air ducts and flues connecting with the heating coils and terminating in the main entrances on the first floor and all circulating flues and ducts starting in these entrances and connecting with the 42-inch disc fans. The warm air and circulating flues shall be carried through the floor of the entrances and capped about 5 feet above the floor.

The exhaust ducts connecting the filter cleaner hoppers with the inlets of the exhausters.

All ducts and flues connecting the exhaust registers in the machinery department and in the basement mezzanine spaces with the two exhausters, also all ducts and flues for the telephone rooms on the first floor connecting with these exhausters. All flues and ducts for the subway toilets. The main flues for the toilets shall be run up to and terminated at the ceiling of the fourth floor.

The discharge ducts from the two exhaust fans. Run these discharge ducts up to and connect with the outlet windows on Chambers street.

575. All the above ducts, flues, etc., whether run in brickwork, shafts, suspended ceilings, furring, etc., or exposed, shall be built of best bloom galvanized iron of the following gauges:

All ducts and flues having one dimension of 48 inches and over shall be of No. 20 gauge, braced with angle iron.

30 to 48 inches, of No. 20 gauge.

12 to 30 inches, of No. 22 gauge.

Smaller ducts shall be of No. 24 gauge.

All the ducts and flues specified above shall be built tight and in a strong and substantial manner, with slip joints presenting smooth surfaces on the inside and being neatly finished on the outside.

576. The ducts shall be suspended by galvanized iron hangers and braced where required. They must be designed with curves and bends, etc., as indicated on plans, so as to effect an easy flow of air. Wherever possible the inside radius of all curves on ducts and flues shall be not less than the width of same. Vertical flues shall have full-size bends for connection with the horizontal ducts.

The Contractor must not pass steam and other pipes through the ducts or in any way obstruct the ducts.

Provide dampers in all branches leading to and from ducts, also in the main ducts where directed. Deflectors for permanent adjustment and slide doors shall be provided where required.

577. All air supply and exhaust flues and ducts shall be provided with boxes, forming proper connection with registers. All register boxes and flues shall be closed with boards or sheet-iron caps during the course of construction.

The exact location, size and height of register boxes on air supply and exhaust ducts shall be as directed. Generally the top and bottom registers shall be respectively near ceiling and near floor. Register boxes on ducts shall have perforations in back of same, of proper area.

While the plans shall be adhered to as closely as possible, the right is reserved to vary the run and sizes of ducts and flues to accommodate structural conditions during the progress of the work.

Rolling Shutters, etc.

578. Furnish and erect complete three rolling shutters for the main fresh air inlets and for the tempering coil.

The shutters shall cover the entire openings, and shall be built of No. 18 gauge galvanized iron, and be balanced by springs and operated by hoist and hand chains. The shutters shall be enclosed in copper hoods, properly fastened, and the ends of the shutters shall run in grooves made of angle iron.

Provide substantial steel-plate dampers, with frames and operating devices complete in each main air supply and exhaust duct, where directed.

Air Filters.

579. Furnish and erect the air filters, and build same into the fresh-air chambers.

The filters shall consist of substantial wooden frames of convenient size, with copper wire netting covered with cheese cloth of suitable thickness, as directed. Each set of air filters shall have a filter area aggregating not less than 900 square feet. All woodwork shall be properly seasoned and protected against moisture by water-proof paint or varnish, as directed.

580. The wooden frames shall be supported by substantial framework of 20-ounce copper, stiffened by T-iron and anchored properly to floor and ceiling of fresh-air chambers, so as to resist the air pressure.

Furnish an extra set of wooden frames for the filters, with wire netting and cheese cloth complete.

Furnish and connect with the exhaust duct-work two cleaning hoppers for the air filters.

The hoppers shall be built of No. 20 gauge galvanized iron, braced with angle iron and supported by wrought-iron stand of convenient height, as shown on the plan.

Provide suitable dampers with counterweights, operating and fastening devices, etc., in each connection.

Details of the air filters, filter-cleaning hoppers, etc., must meet the approval of the Architects.

Registers, Screens, etc.

581. Furnish and set all registers for the fresh-air supply and exhaust flues and ducts indicated on the plans, of sizes marked or of equivalent area, as directed. Also furnish and set the screens indicated on the plans for the exhaust ducts in the machinery room and for the air inlets of the forced blast ducts in the boiler room.

The registers shall be of cast iron, with faces of plain lattice design and white porcelain finish. The valves of the registers shall be set in vertical or horizontal position, as directed.

The screens shall be made of No. 10 gauge copper or brass wire, ¾-inch mesh, with substantial brass frames, and shall be designed and finished as directed.

Thermostatic Regulation, etc.

582. The Contractor shall install automatic temperature regulation complete for the four hot-water heaters of the plumbing system, and for the tempering coil of the fresh-air supply system to the mezzanine spaces; also complete pneumatic hand control for the heating coils and radiators for the main entrances of the first floor. He shall also furnish the diaphragm valves and install the compressed air mains and rising lines for the automatic heat control and pneumatic hand control of all radiators and coils in the building specified to have diaphragm valves for thermostatic and pneumatic control.

The hot-water thermostat for each heater shall operate the steam and return valves on the hot-water heater in such manner as to maintain the water in the heater within a suitable range of temperature.

583. The inside sections of the tempering coils shall be controlled by a hot-air thermostat placed in the main tempered air duct automatically operating the diaphragm valves on steam and return pipes, as will be required to maintain an even temperature of air in the ducts.

The outside sections of the tempering coils shall be controlled by a cold-air thermostat located in the fresh-air chamber, automatically shutting off the diaphragm valves on steam and return pipes when the incoming air rises to a certain degree, and opening the valves when the fresh air temperature drops below this degree, thus securing a continuous heating effect from these sections when required.

584. The twelve radiators and the eight individual sections of the two heating coils for heating of the entrances shall each be separately controlled by a pneumatic switch. These switches shall be located in the entrances where directed, and so grouped that the same can be enclosed in cabinets recessed into the furring.

Build brick foundations, faced with best American white enameled brick with bull-nosed brick on corners and capped with fine-axed bluestone 4 inches thick, and furnish and erect on same one electric-driven and two steam-driven air compressers. Each air compressor shall be of sufficient capacity to supply the required amount of air for the complete automatic heat control of the building.

585 Furnish, erect and connect the compressed-air tanks and gauges, the automatic control for the air compressors, the diaphragm valves for the hot-water heaters, for the tempering coils, for the individual sections of heating coils for entrances, and for the radiators in the entrances. Also furnish and connect diaphragm valves in the steam connections to all other radiators and coils in the building, except on the coils for heating of the basement mezzanine.

Furnish and erect complete all the mains and all compressed air piping below the first floor, and run as directed at least six main rising lines for the thermostatic and pneumatic control of the upper stories of the building. Leave all required outlets on all floors of the building and the tower for future connections to the thermostats, switches and diaphragm valves.

586. The automatic heat control system shall be such first-class system of thermostatic temperature control as will meet the approval of the Architects, and all appurtenances for the same, as well as all methods of connecting and operating the system must be equal in every respect to the standard of the Johnson system of temperature regulation, which is specified as a means of briefly describing the article called for.

The Contractor shall keep this system in repair two years free of charge.

Non-conducting Covering, etc.

587. Cover all steam pipes subjected to boiler pressure, 3 inches in diameter and over, and all reduced high-pressure steam pipes 3 inches in diameter and over, and all exhaust pipes 3 inches in diameter and over, with magnesia sectional covering 2 inches thick, canvas-jacketed and banded in first-class manner.

Cover all steam pipes subjected to boiler pressure, all reduced high-pressure steam pipes, and all exhaust pipes less than 3 inches in diameter, and all high-pressure drip pipes, also all low-pressure drip pipes, all vapor pipes, all feed pipes, all blow-off pipes, all pump suction pipes, all pump and trap discharge pipes, all overflow, drain, water and other pipes supplied under this specification and not specified to be covered otherwise, with one standard thickness magnesia sectional covering, canvas-jacketed and banded in first-class manner.

588. Cover, except as otherwise specified, all low-pressure steam, return and relief pipes below the level of the first floor, with one standard thickness of magnesia sectional covering, canvas-jacketed and banded in first-class manner.

Cover all low-pressure steam, return and relief pipes passing over or through the fresh air chambers and passages in the basement mezzanine with magnesia sectional covering 2 inches thick, canvas-jacketed and banded in first-class manner.

Cover all return and relief rising lines in their transit through the first story from the basement ceiling to the second floor level with magnesia sectional covering 2 inches thick, canvas-jacketed and banded in first-class manner.

589. Cover the exhaust, vapor, drip, low-pressure steam, return and relief rising lines in the two main pipe shafts, from the basement ceiling to the ceiling of the fourth floor, with one standard thickness of magnesia sectional covering, canvas-jacketed and banded in first-class manner.

Cover the expansion loops and all other steam, return and relief pipes contained in the boxes inclosing the expansion loops, with one standard thickness of magnesia sectional covering, canvas-jacketed and banded in first-class manner.

Cover the low-pressure steam, return and relief pipes passing over and through the fresh-air intake passage on the fourth floor, in their entire run from the vertical rising lines to the outside of the west wall of the fresh air passage with magnesia sectional covering 2 inches thick, canvas-jacketed and banded in first-class manner.

590. Cover all fittings, valves, etc., on all pipes above specified to be covered, also all fittings on appurtenances to which these pipes connect, with molded canvas-jacketed magnesia sectional covering of same thickness as the covering of the pipes. Wherever fittings and valves cannot be covered with sectional covering, encase such fittings and valves with magnesia plaster evenly applied and of the same thickness as the covering of the pipes.

Cover all flanges on all pipes, fittings, valves, etc., above specified to be covered, with removable and replacable flange coverings. All flange coverings shall be of magnesia of at least the thickness of the pipe and fitting covering specified for the respective pipes and fittings.

591. All flange covering, large as well as small, and the covering on all fittings, valves, etc., larger than 5 inches, shall be made removable and replacable, made in sections over iron rings and galvanized iron frames and be canvas-jacketed, properly banded and securely bolted or clamped together.

Apply all the covering specified above on all the pipes, fittings, valves, flanges, etc., whether they are exposed or run in trenches, chases, furring, shafts, suspended ceilings, etc.

Encase all the pipe covering except the covering in the chases in the masonry through the first story with an extra covering of 10-ounce canvas, applied over the canvas-jacketed covering, drawn tight and neatly sewed on.

Cover all exposed parts of the front and rear heads and shells of the steam and water drums of the boilers with a layer of 1½ inches magnesia blocks securely wired on and cemented and plastered over with hard finishing plaster. Encase this covering on the rear heads of the boiler drums with 10-ounce canvas, drawn tight and neatly sewed and glued on.

592. Encase the covering of the front ends and heads of the boiler drums with Russia sheet iron, neatly riveted and banded with spun brass rings and trimmings. All parts of the Russia iron casings covering flanges shall be made removable.

Cover the feed-water heater, the feed-water filters and meters, the grease extractor and muffler tanks, the receiving tank, the steam separators, the blow-off, low and high-pressure drip tanks, the pump governors, the reducing valves, the back pressure valves and all traps, with magnesia blocks 1½ inches thick, securely wired on and cemented. Encase this covering with 10-ounce canvas, neatly sewed on. Except as otherwise specified, cover and encase in similar manner all other heat transmitting metal surface forming part of the steam plant and the heating apparatus not specially required to be left uncovered.

593. Cover the steam cylinders, steam chests and heads of all pumps and air compressors called for in the heating work, also the low-pressure distributing and return headers, with magnesia blocks 1½ inches thick, cemented and made in sections over iron frames and galvanized wire netting, substantially made so as to make the covering removable and replacable. Encase this covering with Russia sheet-iron neatly riveted and banded with spun brass rings and heads.

The entire work of encasing the non-conducting material with Russia iron, canvas, etc., specified above, must be finished neatly and in the most approved manner.

594. Cover all steel plate smoke connections from the boilers to the horizontal smoke flue with magnesia blocks 2 inches thick, cemented with ½ inch magnesia cement and hard finishing plaster. Form an air space of 2 inches between covering and iron by supplying and applying wire netting with thimbles or other suitable arrangements for keeping the net from the iron.

Cover the vertical smoke flue the entire height from the basement level to the top of the enclosure with magnesia blocks 2 inches thick, cemented and finished with ½ inch of hard finishing plaster.

Cover the entire ceiling of the boiler room (an area of about 7,000 square feet), and the under side of second floor construction above the cohesive tile arches over the concourses on first floor (an area of about 19,000 square feet), with magnesia blocks 2 inches thick, with wire lath and ½ inch of hard finishing plaster. The magnesia blocks shall be supported by T-irons hung from the ceiling, leaving a space between the non-conducting ceiling and the building construction. After the completion of all work in the boiler room and arch spaces the Contractor shall fill in any holes that may have been caused by the installation of other work, and shall leave the entire ceilings in first-class condition at the completion of all work.

595. Fill in the galvanized-iron boxes containing the expansion loops with mineral wool, well packed around the non-conducting covering on the loops.

Cover the housings of the forced blast and fresh air supply blowers and the housings of the exhausters, the casings of the disc fans, the casings of the tempering and heating coils, and the steel plate connections leading to and from these coils, with magnesia blocks 1 inch thick, securely wired on, cemented and encased in a jacket of 10-ounce canvas, drawn tight and neatly sewed on.

596. Cover all tempered and cold air ducts and flues in the basement and basement mezzanine, the discharge ducts from the exhaust fans, all ducts and flues conveying warm and recirculated air to and from the entrance halls, and all ducts conveying air from the boiler room ceiling to the forced blast blower, with magnesia blocks 1 inch thick, securely wired on, cemented and encased in a jacket of 10-ounce canvas, drawn tight and neatly sewed on.

Cover all exhaust flues and ducts in the basement and basement mezzanine with 1 inch thick asbestos air cell covering, securely wired on, cemented and encased in a jacket of 10-ounce canvas, drawn tight and neatly sewed on.

Apply the above specified covering on the ducts, flues, air discharges, etc., whether the same are run exposed or in suspended ceilings, shafts, furring, etc.

All the magnesia specified above shall contain not less than 85 per cent. carbonate of magnesia.

597. The standard magnesia sectional pipe covering shall be of the following thickness:

½ inch pipe up to and including 2½-inch pipe, 1 inch thick.
3-inch pipe up to and including 5-inch pipe, 1 1-32 inches thick.
6-inch pipe up to and including 7-inch pipe, 1 1-16 inches thick.
8-inch pipe up to and including 10-inch pipe, 1¼ inches thick.
12-inch pipe and over, 1½ inches thick.

All non-conducting covering of the pipes, ducts, etc., specified above to be encased with canvas, shall be wrapped with sheet asbestos applied between the covering and the outside canvas jacket. This wrapping shall be of sufficient thickness to form a substantial and smooth backing for the canvas when the same is stretched over the non-conducting covering.

Apply magnesia on the shells of the boiler drums and line with magnesia the horizontal smoke flue, as specified under clause "Boiler Settings" and clause "Smoke Connections."

Bronzing and Painting.

598. All pipes, fittings and headers of the tempering coils, the heating coils for the entrances and enclosures for the same, the inside of the housings of the blower fans, the wheels, etc., of the blowers, shall be coated with odorless, non-scaling paint or enamel, evenly applied, so as to cover completely all surfaces of the fans, coils and casings coming in contact with the air supply.

All heating coils in the basement mezzanine shall be painted one coat of best paint and on the coat of paint shall be covered with best aluminum bronze, or painted as directed.

All radiators and heating coils on the upper floors shall be painted one coat of paint, as directed.

All uncovered risers and radiator connections on upper floors shall be painted two coats of black paint, as directed.

599. All pumps, electric motors and other machinery called for in the heating work shall be primed and filled and painted with three coats of pure linseed oil and best white lead, tinted and striped as directed, and rubbed and varnished to such finish as directed. All iron and steel work on the boilers and on the horizontal smoke connection, and all other exposed ironwork shall be painted two coats of Japan varnish, or painted as directed.

All appurtenances, flanges, fittings, etc., and all pipes, except galvanized iron, brass and copper pipes, shall be painted one coat of black paint before the non-conducting covering is applied.

The extra canvas covering on all non-conducting covering on pipes, ducts, appurtenances, etc., shall be painted two coats of cold water paint, tinted as directed.

All work exposed to the atmosphere shall be painted three coats as directed.

Cutting and Protection, etc.

600. Do all cutting of floors, walls, partitions, etc., necessitated by the installation of the plant as per specifications.

Where piping and connections pass through floors, walls or partitions, iron pipe sleeves, with flanges and suitable plates, etc., shall be inserted. All tubes, plates, etc., must be well secured and fitted in the neatest and most approved manner.

The pipe sleeves from all rising lines, etc., passing through floors, etc., shall have ample space for non-conducting covering.

Protect all diaphragm and vacuum return valves and all other finished valves, also all finished metal surfaces on appurtenances, with oilcloth properly sewed on.

Testing and Temporary Running of the Plant, etc.

601. Test all steam, return and relief risers and all steam and return radiator connections with compressed air, subjecting the risers and radiator connections to a pressure of 30 pounds per square inch, which pressure the risers and radiator connections must hold for a period of not less than four hours without appreciable loss. After this the risers and radiator connections shall be tested for a period of not less than eight hours with steam at 30 pounds per square inch pressure.

All defects found or developed during the testing shall be made good so as to fulfil the stipulated requirements.

602. The Contractor shall furnish and connect all temporary boilers and air compressors, etc., required for the testing, and shall make all other temporary connections for the same. He shall also furnish all attendance, fuel, water, oil, waste and other materials for the testing, as well as the power required for the same.

The entire system of piping shall be blown through after completion for the purpose of removing grit, sand, etc., from the radiators and piping. This shall be done for as long a time as is required to thoroughly clean the apparatus. The return mains shall drain into the low-pressure drip tank and the surplus steam shall escape through the vapor pipe while the system is blown through. The Contractor shall make good any defects in the pumps that may result from pumping water containing grit, sand, etc.

603. The Contractor shall, when so directed, run the plant temporarily day and night for a period of 30 days for testing and trial purposes.

All pipe systems, boilers, pumps, heating, ventilating and forced-blast apparatus, and all other apparatus furnished by the Contractor, shall be operated and subjected to full operating pressure during the time of this operation.

The Contractor shall supply a competent operating force, and shall furnish all fuel, water, oil, waste and other materials required for the temporary operation of the plant, also cart away ashes, etc., and shall bear all expenses for the electric current required for the temporary running of the ventilating fans and motors.

604. The Contractor shall conform to all laws and regulations relating to steam plants and their operation in the City and State of New York, and will be held responsible for the proper maintenance and operation of the plant.

The Contractor shall make any required adjustments and make good any defects that may develop in the apparatus during the period of the temporary operation, and shall, after the expiration of the temporary running, clean all the boilers inside and outside and overhaul all the machinery and apparatus, and do the final painting and finishing so as to deliver the entire plant in perfect working order.

General.

605. The work throughout shall be done in the best and most workmanlike manner, under the direction and to the entire satisfaction of the Architects, who will interpret the meaning of plans and specifications and pass judgment on the work, with power to reject all materials and work which do not conform to the true intent and meaning of same.

The Contractor shall comply with all requirements of the Departments controlling building construction, equipment and operation in the City and State of New York, supplying anything in labor and material required to meet these laws without extra cost.

PLUMBING WORK.

Drawings and Specifications.

606. The general drawings are intended to show the position of the various fixtures, machinery, apparatus, appliance, and parts thereof, and pipes and connections, etc., as closely as the scale of the drawings will permit, such positions being subject, however, to the incidental changes made necessary by building construction. When requested by the Architects, the Contractor shall submit detailed drawings and specifications showing the exact manner and method which he proposes to employ in constructing and connecting the above fixtures, machinery apparatus etc.; and the space which they will occupy, so that there may be no clash or interference between the various trades, and that the plant may be properly and conveniently operated.

Co-operation.

607. The Contractor shall properly connect with all appliances, apparatus, machinery, fixtures, etc., supplying all material and labor necessary to make the work complete and perfect, and leaving same in perfect working order. The Contractor shall make without extra charge, and as may be directed by the Architects, alterations or changes in the position or location of all pipes, machinery, apparatus, appliances, fixtures, etc., which may have been placed contrary to the drawings and specifications or which may be necessary to make the same fit, conform, or adjust themselves to the work as constructed.

608. The Contractor shall carefully fit and centre all outlets for the plumbing pipes, fixtures, apparatus, and gas, with the woodwork, trim, paneling, marble, wall or ceiling spaces, and shall obtain all necessary information as to accuracy of location from the Architects, and shall be held responsible for all misplaced outlets, and shall shift and rectify all mistakes at his own expense.

Painting.

609. The Contractor shall paint all exposed plumbing pipes in basement, mezzanine, fourth story and tank rooms, also all machinery, pumps, apparatus, etc., with three coats of fire-proof or metallic paint of color as may be directed by the Architects.

Permanent Drainage Connections.

610. Immediately upon notice to begin work, the Contractor shall carefully lay the necessary house sewers from the street sewer to and into the building, with running traps complete, of size, and at location as shown on the drawings, which work shall be used for the temporary and afterwards for the permanent drainage of the building.

Permanent Water Supply Connections.

611. Immediately upon notice to begin work, the Contractor shall provide permanent water connections from high pressure Croton mains and shall provide and set necessary heavy brass corporation taps for connections up to 2 inches in diameter, for larger size "Smith" taps shall be used; from which taps shall be extended to inside face of wall of building, as indicated, extra strong galvanized wrought-iron supply mains. On supply mains at face of wall, where shown, provide and set heavy pattern, all brass double-gate valve, with wheel handle, and of make as may be hereinafter specified. Valve shall be provided with short nipple on open end, which shall be left securely capped.

Temporary Drainage During Construction.

612. The Contractor shall provide temporary rain water drainage if required during the construction of the building and shall keep same in perfect order and repair.

Temporary Water Supply During Construction.

613. The Contractor shall provide all necessary water connections for all work specified herein during the construction of the building, and for all pump and other tests requiring water and shall run on basement or sub-basement ceiling a large size, wrought-iron main, which shall be provided with numerous full-sized plugged outlets, for future connections. From main shall be run valved branches of required size, to the various fixtures, machinery, apparatus, appliances, etc., called for in all specifications herein contained which may need water.

614. From pump or pumps to be supplied as specified hereinbefore and to be placed in the basement or sub-basement, the Contractor shall extend a large-sized, valved discharge from which shall be taken two 3-inch valved risers, which shall extend up through the building at such points as the Architects may decide, which risers shall be extended as the building progresses. From each riser on each story shall be taken two ¾-inch faucets threaded for hose, which shall discharge over barrels, to be supplied as specified hereinbefore. From each of the said barrels on each story the Contractor shall take a 2-inch wrought-iron overflow, and shall connect the same into 3-inch waste risers extending through the building and which shall drop to the ceiling of mezzanine story unite and run to street sewer; valved cross connections shall be made between the street pressure main as above described and the pump discharge. From street pressure main shall be run a valved pump suction complete.

After the above temporary water supply with all its branches, connections, risers, etc., have been run to the various appliances, fixtures, etc., of all work herein specified, any change in said work which may be necessary on account of the change in position of the appliances of any specification herein contained, or from any other cause shall be made by the Contractor.

615. The temporary water supply shall be maintained in thorough repair and order, and protected from freezing as specified hereinbefore.

The Contractor shall be responsible for the care and upkeep of the pump or pumps, supplies and discharges and the supply main on the basement ceiling, as specified hereinbefore.

The Contractor shall furnish the Architects for approval, a drawing showing said proposed temporary water supply, its location, size of main and branches, etc., and other necessary information.

Temporary Toilets During Construction.

616. The Contractor shall provide and set in basement and upon each of two upper stories at points designated by the Architects, sets of J. L. Mott Iron Works, Plate 6050-A enameled, cast-iron, automatic water-closet ranges, each range shall have 5 seats, and each range shall be complete with supply and branch soil connections, traps, etc. The ranges shall be for the use of everybody connected with the building during construction. The Contractor shall keep the ranges in proper working order, and shall protect ranges and pipes from freezing, and shall keep adjoining space in neat and clean condition. During the progress of the building, or as may be directed by the Architects, the temporary toilets on the several stories shall be removed to other stories and the space vacated shall be thoroughly cleaned and disinfected.

In addition, the Contractor shall install in the temporary office a vitreous syphon jet closet of standard make with copper-lined cistern, with ball float, pull, etc., with control on supply to tank. He shall connect the closet to the temporary sewage system and the tank to the temporary water supply.

In addition, in the large room he shall install an enameled iron lavatory with 12-inch integral back, 13-inch by 18-inch basin, and apron, supporting it properly on steel brackets. He shall equip it with trap and waste and vent carried above the roof of the office, and also connect it with the water supply, providing a controlling cock under same and a heavy large size compression nickel-plated brass faucet. Basin to have chain and plug. The work shall be installed under the direction of and to meet the approval of the Architect.

Diameter of Pipe.

617. The diameter of all pipes shall be understood to mean the clear interior diameter.

Cast Iron Pipe.

618. Cast iron pipe where specified shall be uncoated, sound, truly cylindrical, smooth, with inner and outer surface concentric, free from cracks, sand holes and other defects, of uniform thickness, and of the grade known in commerce as "Extra Heavy."

Cast iron pipe, including hub, shall not weigh less than the following average weights per linear foot:

Diameter in Inches.	Weights per Linear Foot, Including Hubs, in Pounds.
2 inches	5½ pounds
3 inches	9½ pounds
4 inches	13 pounds
5 inches	17 pounds
6 inches	20 pounds
7 inches	27 pounds
8 inches	33½ pounds
10 inches	45 pounds
12 inches	54 pounds

Cast iron pipe shall have size, weight and maker's name clearly cast on each length.

Pipe—Wrought Iron.

619. All wrought iron pipe shall be galvanized and of either Beyers & Co. or that of the Reading Iron Company manufacture, of full card weight and manufactured from rolled muck bars, which shall be made from best quality high grade pig iron, puddled by itself without the admixture at any time of any scrap iron.

The muck bars shall be of uniform manufacture and shall be produced by the mills making the pipe. The skelp shall be made by rolling together a certain number of muck bars, by themselves without the admixture of any scrap or other iron. The use of box fagots is absolutely prohibited.

620. Pig iron used in the manufacture of wrought iron pipe shall contain among other chemical properties the following:

Silicon	1.25 to 1.75 per cent.
Sulphur under	.050
Phosphorus	.400 to .600
Manganese	.600 to 1.000

621. Wrought iron pipe shall be of quality and grade known in the trade as "Standard" and "Extra Strong." Pipe of 1¼ inches and smaller, both "Standard" and "Extra Strong," shall be long-drawn, butt-welded, all sizes of larger diameter shall be lap-welded. Each length of pipe shall have maker's name and year of manufacture clearly rolled upon it, and for sizes of 2 inches and larger shall have clearly stenciled upon it "Guaranteed Wrought Iron Pipe," small sizes shall be securely and properly tagged bearing the same inscription. Each length of "Standard" pipe shall be tested at the factory by a hydraulic pressure of 600 pounds per square inch. Each length of "Extra Strong" pipe shall be similarly tested to 1,000 pounds per square inch. The Contractor shall furnish the Architects with certificates from the pipe manufacturers stating that wrought iron pipe is being shipped to the building, of quality and weight specified, and giving the quantity and size.

622. Standard galvanized wrought iron pipe, when specified, shall not be less than the following average weight per linear foot:

Diameter in Inches.	Weight per Linear Foot.
½ inch	.84 pound
¾ inch	1.12 pounds
1 inch	1.67 pounds
1¼ inches	2.25 pounds
1½ inches	2.69 pounds
2 inches	3.66 pounds
2½ inches	5.77 pounds
3 inches	7.54 pounds
3½ inches	9.05 pounds
4 inches	10.72 pounds
4½ inches	12.49 pounds
5 inches	14.56 pounds
6 inches	18.76 pounds
7 inches	23.41 pounds
8 inches	28.34 pounds
9 inches	33.70 pounds
10 inches	40.00 pounds
11 inches	45.00 pounds
12 inches	49.00 pounds

623. "Extra Strong" galvanized wrought iron pipe, when specified, shall not be less than the following average weights per linear foot:

Diameter in Inches.	Weight per Linear Foot.
½ inch	1.09 pounds
¾ inch	1.39 pounds
1 inch	2.17 pounds
1¼ inches	3.00 pounds
1½ inches	3.63 pounds
2 inches	5.02 pounds
2½ inches	7.67 pounds
3 inches	10.25 pounds
3½ inches	12.47 pounds
4 inches	14.97 pounds
4½ inches	18.22 pounds
5 inches	20.54 pounds
6 inches	28.58 pounds
7 inches	37.67 pounds
8 inches	43.00 pounds
9 inches	48.25 pounds
10 inches	54.25 pounds
12 inches	65.00 pounds

Steel pipe shall not be used upon this work.

Pipe—Brass.

624. All brass pipe, where specified, shall be heavy, seamless drawn brass pipe, "Iron Pipe Size," thoroughly annealed, and tinned or nickel plated. No hard pipe or brazed tubing shall be used. All brass pipe shall be equal to that of the American Tube Works, Benedict & Burnham Manufacturing Company, Ansonia Brass Company or Bridgeport Brass Company, and shall be tested to 1,000 pounds per square inch.

625. Brass pipe, "Iron Pipe Size," shall not be less than the following average weight per linear foot:

Diameter in Inches.	Weight per Linear Foot.
½ inch	.90 pound
¾ inch	1.25 pounds
1 inch	1.70 pounds
1¼ inches	2.50 pounds
1½ inches	3.00 pounds
2 inches	4.00 pounds
2½ inches	5.75 pounds
3 inches	8.30 pounds
3½ inches	10.90 pounds
4 inches	12.70 pounds
4½ inches	13.90 pounds
5 inches	15.75 pounds
6 inches	20.60 pounds

Lead Work.

626. Lead water pipe, where specified, shall be "AAA" lead. Short vent branches of "D" lead pipe shall be used only on water closet and urinals and bends. All lead traps, where specified, shall be equal to DuBois heavy drawn traps, with nickel plated brass trap screws and cleanouts.

Earthenware Pipe.

627. All earthenware pipe, where specified, shall be best quality sound Akron hub and spigot, hard burnt, vitrified, earthenware pipe, free from all blisters, checks, cracks or flaws of any description and shall have smooth interior waterway and shall be truly cylindrical and straight.

Pipe Fittings.

628. All fittings for pipe work shall be of heavy pattern, sound, free from sand holes and other defects, of careful construction and of uniform thickness.

Fittings for "extra heavy" cast iron pipe shall be of same quality as the pipe to which they belong.

Fittings for wrought iron pipe shall be galvanized heavy malleable iron fittings of design, finish, weight, quality and manufacture as may be approved by the Architects.

Fittings for galvanized wrought iron drainage work shall be threaded heavy, regulation, galvanized, malleable iron, recessed drainage fittings, with smooth interior waterway and threads tapered, so as to give a uniform grade to branches of at least ¼ inch to the foot.

Fittings for vent pipes shall be threaded, galvanized, heavy, malleable iron water pipe fittings.

629. Fittings for galvanized wrought iron water pipe shall be galvanized long sweep, heavy hydraulic malleable iron fittings tested to at least double that of the working pressure, or to the pressure caused by the shock of the sudden closing or opening of valves.

Where necessary, reducing fittings shall be used upon this work, no bushings will be allowed. All fittings on suctions between tanks and pumps and at tanks shall be flanged fittings.

Fittings for brass pipe shall be threaded, finished cast brass fittings, "Iron Pipe Size," smooth and clean, free from sand holes and other imperfections, and of strength and material corresponding to the pipe to which they belong.

Pipe Joints and Connections.

630. All joints of cast iron pipe and fittings shall be made by means of a rope or new oakum securely calked into bottom of hub of joint, after which shall be run in one pour 12 ounces of fine, soft, molten pig lead, for each inch in the diameter of the pipe, after cooling lead shall be carefully calked, with proper tools, making joint secure and gas tight.

All joints of screw pipe shall be made up with pure red lead mixed with linseed oil.

The burr formed in cutting pipe shall be carefully reamed out before pipe shall be allowed to be put into the work.

631. The joint between wrought iron and cast iron pipe shall be made by properly calking the wrought iron pipe into the hub of the cast iron pipe, the end of the wrought iron pipe having a ½-inch ring screwed on, to form spigot.

All screw joints shall be made up close so that no threads shall be seen.

All joints of lead pipe and between lead and brass shall be round-wiped lead joints.

Joints between lead and cast or wrought iron pipes shall be made with heavy brass ferrules or soldering nipples, securely calked or screwed into the cast or wrought iron pipe.

632. All joints of earthenware pipe shall be made with picked oakum and Portland cement, great care being taken that the inside of each joint be freed from all projecting cement and left true and smooth before proceeding to lay another pipe.

Joints between earthenware traps and iron pipe shall be made with heavy lead bends and heavy cast brass floor flanges.

Pipe Supports.

633. All vertical lines of pipe shall be firmly supported at the base by means of wrought-iron hangers, or masonry piers, and supported at each floor level by heavy wrought-iron clamp hangers, secured to walls or to iron beams. All horizontal runs of pipe shall be securely supported by heavy pipe hangers securely hung from iron beams.

All pipe hangers shall be of heavy pattern of material and make as may meet with the approval of the Architects, shall be set neatly and carefully, shall be of same material and finish as the pipes they support, shall be placed at frequent intervals, and where two or more pipes run side by side, combination hangers shall be employed. Hangers set on plastered ceilings shall be set before plastering has been started. The use of pipe hooks for supporting pipes is absolutely prohibited.

Pipe Unions.

634. All lines of water pipes shall be provided at intervals with heavy pattern cast brass, ground face unions, to admit of alterations and repairs.

Flange unions shall be special, extra heavy standard galvanized malleable iron unions.

Pipe Couplings.

635. All couplings on pipe shall be of heavy pattern, galvanized and of material and strength corresponding with pipe, and as may be approved by the Architects.

Pipe Nipples.

636. All nipples where the unthreaded part is less than 1½ inches long shall be galvanized and of the grade next heavier in strength and weight than the pipe upon which they may be used, and shall be made from the same make of pipe as that used upon the work.

Soldering nipples shall be heavy cast brass or brass pipe "Iron Pipe Size;" when cast they shall not be less than the following average weights:

Diameter of Nipple.	Weight.
1½ inches	8 ounces.
2 inches	14 ounces.
2½ inches	1 pound, 6 ounces.
3 inches	2 pounds.
4 inches	3 pounds, 8 ounces.

All brass nipples for water-closet connections shall be of special heavy pattern as may be approved by the Architects.

Pipe Sleeves.

637. Arched or other proper openings shall be provided for all pipes of a diameter of 6 inches or larger, passing through all outside or bearing walls to prevent damage from settlement or other causes. All pipes passing through foundation, bearing walls, roofs, etc., and all hot and circulation pipes, etc., passing through floors, partitions, walls, etc., shall be provided with suitable galvanized standard wrought-iron sleeves. All sleeves shall be of ample size, so that the pipe they protect may pass through freely. All sleeves surrounding pipes passing through outside walls of the building shall have the space between the inside diameter of the sleeve and the outside diameter of the pipe calked water tight with molten lead at both the outside and inside faces.

Pipe Escutcheons.

638. All pipes passing through ceiling, walls, partitions, etc., of any description, of Engineer's toilet room, on mezzanine story, shall be fitted with neat special pattern, perfectly smooth face nickel-plated brass escutcheons. Pipes in groups shall be provided with special escutcheons. All escutcheons shall be securely set, shall present a neat and tidy finish and shall be of make and pattern as may be approved by the Architects.

Pipe Roof Connections.

639. All pipes passing through roofs, etc., shall be provided with special, secure and water-tight fittings, similar to that manufactured by Crane & Co., and arranged to allow free movement of pipe stack, due to expansion or contraction or other causes, independent of roof or roof flashings. Pipes shall be provided with copper sleeves and flashings which shall be of 20-ounce cold-rolled copper. Flashings shall extend 18 inches in all directions from side of pipe and shall be run under roof material and securely fastened. The copper sleeve shall extend at least 6 inches below roof flashing. All soil, waste and vent pipes passing through roofs shall be at least 4 inches in diameter and shall be of such diameter 1 foot below under side of roof.

Pipe Arrangement and Spacing.

640. All lines of pipes, horizontal and vertical, throughout the building, shall be run as direct as possible; in parallel lines where two or more run together, and in general, care shall be taken that the work presents a neat and workmanlike appearance.

All hot, cold and circulation pipes shall be separated from each other by at least 3 inches; should this be unavoidable, pipes may be insulated with material as hereinafter specified under "Insulation."

All water pipes shall be spaced at least 9 inches from steam pipes.

Pipes to Drain.

641. All horizontal pipe lines shall be carefully laid to drain, care being taken that there be no sags or bends.

Pipe Protection Against Freezing.

642. All supply pipes and branches shall be kept from outside walls as much as possible so as to avoid freezing; should this be unavoidable, pipes shall then be insulated with material as hereinafter specified under "Insulation."

Pipe Expansion and Contraction.

643. Due allowance shall be made for the expansion and contraction of all horizontal and vertical water and other pipes through the building, and precaution taken against damage therefrom, and expansion couplings, loops or other methods, meeting with the Architects' approval may be employed.

Pipe. Emptying and Valved Drainouts.

644. Emptying pipes shall be run as shown on the drawings with ¾-inch valved drain-out branches connecting with all supply risers and returns and other pipes at their foot.

Pipes Above Roof.

645. All pipes that may be carried above roof shall extend at least 2 feet above roof, or as may be directed by the Architects, and shall be removed well away from windows, ventilators, vent or other flues, and shall be properly and securely braced to meet all requirements.

Pipe Openings in Floors and Ceilings.

646. All openings in floors and ceilings about lines of pipe and pipes in chases, shall be entirely packed and closed with wire lath and plaster, so as to prevent the passage of air from one story to another.

Pipes in Contact With Cement.

647. All pipes that may be buried in cinder or cement concrete, or cement, shall be thoroughly coated with two coats of asphaltum and wrapped in tar paper.

Pipes Under Marble, Tile or Cement Floors.

648. All pipes laid under marble, tile or cement floors shall be encased in a loose fitting tube of galvanized sheet iron well wired in place, to prevent cracking of flooring over pipes and yet allow for contraction and expansion.

Pipes Concealed.

649. All runs of pipes in partitions or behind furring or in furred ceilings or under floors, or where otherwise concealed, shall be set and tested to the satisfaction of the Architects before being covered in, and if not properly set so as to be covered and properly fitted, said pipes shall be removed and reset by the Contractor at his own expense.

Branch lateral waste, vent and supply branches for fixtures shall be run in partitions, floors, ceilings, hanging ceilings, or back of furring, and the Contractor shall adjust his work to this requirement, if work be so shown or not.

Pipes Underground.

650. All drainage pipes, house sewers, fresh air inlets, house drains, leaders, court and area drains, etc., and their traps, fitting, etc., that may be buried below the cellar floor, or buried under the ground, unless otherwise specified, shall be of "Extra Heavy" cast iron pipe, firmly supported upon concrete or masonry piers or foundations placed every five feet. After testing and inspection, all the said pipes shall be thoroughly painted with two coats of best quality asphaltum turpentine varnish of brand approved by the Architects.

Pipe Obstructions.

651. All obstructions of any description occurring in pipes or traps of any description before the completion of the temporary or permanent work, shall be removed by the Contractor at his own expense, and all pipes shall be kept in constant and serviceable working order. Upon completion of the building all pipes, traps, etc., shall be cleaned and freed of any and all deposits or obstructions.

Pipes—Waterproofing Connections.

652. All pipes passing through foundations, vaults and area walls and cellar floors, or other waterproofed floors or walls, shall be made water tight with ten-pound sheet lead flashing extending not less than 14 inches from the pipe, and as may be required by the work called for under Waterproofing. Sump boxes and other appliances set in the cellar floor shall be heavily flashed or otherwise prepared for waterproofing as may be required.

Traps.

653. All main house, court, floor, area and other drains, leaders, and all sewer or drain-connected fixtures, shall be effectively trapped by means of a proper bend trap, as shown on the drawings.

All traps, for house, leader, area, floor and other drains shall be heavy pattern, galvanized malleable iron running traps with handhole cleanouts full size of trap when traps are less than 6 inches in diameter.

All traps and cleanouts shall, if possible, be always readily accessible, and when placed below the floor or in the ground, shall be provided with watertight masonry access pits with cast-iron frame and covers of size and location as indicated upon the drawings.

654. All traps shall be well supported and set true with respect to their water seal, and shall have a water seal of at least 1½ inches.

All traps shall be set as close to the pipe or fixture trapped as possible, and shall be so arranged that the waste from a fixture on its way to the house drain shall pass through but one trap.

All exposed or accessible traps, except earthenware traps, shall have brass screw cleanouts set below water seal.

Earthenware traps shall have no vent horns.

655. Traps for fixtures shall be of the following dimensions:

Fixture.	Diameter of Trap. (Not Less Than)
Water closet	4 inches.
Urinal	2 inches.
Basins	1½ inches.
Sinks	2 inches.
Slop sinks	3 inches.

Valves.

656. Valves shall be provided and set to control the Croton street mains at point of entrance into building, fish traps, meters, filters, supplies and discharges to and from all tanks, pumps, etc., to control all hot, cold, tank, fixture and other risers, to control all groups of and each single fixture, to control all branches and lines to water supplied apparatus, appliance, machinery, fixture, etc., so that said fixture, apparatus, machinery, riser, etc., may be cut out for repair, etc., with the least amount of interference or interruption to the rest of the building.

657. All valves shall be of same size as the pipe which they control.

All valves of a diameter of ½ inch or less shall be finished bronze globe valves and all valves of a larger diamter shall be gate valves.

All valves of a diameter of 2 inches or less shall be all bronze gate valves and all valves of a greater diameter shall be iron body, bronze mounted gate valves.

All valves shall have wheel handles, unless otherwise specified, which shall in general be of same finish as that of valve to which they belong. When wheel handles are of iron they shall be painted black, unless otherwise specified.

658. All gate valves shall be of manufacture as may meet with the approval of the Architects and shall be of the solid wedge type arranged to hold the pressure on either side and shall be provided with a connecting nut between the plug and spindle. The connecting nut shall fit tightly the thread of the spindle and there shall be allowed enough play between the shoulder of the nut and the shoulder of the plug so that the plug may seat itself without subjecting the spindle to any undue strain. The connecting nuts shall be of bronze in both the bronze and iron body valves. All valves shall have double guides in the bodies and a single guide on the plug.

659. All valves of a diameter of 2 inches and less shall be all bronze with rough bodies and finished trimmings with solid bronze seats and shall be screw ends inside screw. All bonnets of light pressure valves and of semi-spherical heavy pressure bronze valves shall be flat. All stuffing boxes shall be fitted with driving glands.

All valves of a diameter greater than 2 inches, except where shown or specified, shall be provided with bronze seats, screw ends, inside screw, which shall be heavy and shall be screwed into the body with heavy square threads. All valves shall have full bronze stuffing boxes with bolt follower. All plugs on valves up to 4½ inches shall be all bronze; those on valves 5 inches and larger shall be of iron with dovetails cast in the faces to take a bronze seat ring which shall be thoroughly rolled in. Plug seat rings shall not be poured in. All iron valves shall have bolt bonnet with an ample number of bolts to secure same.

660. All valves shall have bronze spindles.

All bronze used in both bronze and iron valves shall be best grade of steam bronze of a tensile strength of not less than 30,000 pounds per square inch for the bodies and not less than 35,000 pounds per square inch for spindles, and shall have a composition of not less than

Copper	87 per cent.
Tin	7 per cent.
Lead	2 per cent.
Zinc	4 per cent.

661. All cast iron used shall be of best quality gray iron, and castings shall be free from scoria, sand holes, air bubbles and other defects and imperfection. No plugging or other methods of stopping up holes or flaws will be allowed.

662. The shell of valves shall be of the following thicknesses, and all valves shall not weigh less than the following.

BRONZE VALVES.

	Light Pressure.		Heavy Pressure.	
Size of Valve in Inches.	Thickness of Shell.	Weight in Pounds.	Thickness of Shell.	Weight in Pounds.
¼ inch.	3/32 inch.	1¼ pounds.	⅛ inch.	3 pounds.
⅜ inch.	3/32 inch.	1¼ pounds.	⅛ inch.	3 pounds.
½ inch.	3/32 inch.	1½ pounds.	⅛ inch.	3½ pounds.
¾ inch.	3/32 inch.	2½ pounds.	9/64 inch.	5 pounds.
1 inch.	3/32 inch.	4 pounds.	5/32 inch.	7 pounds.
1¼ inch.	⅛ inch.	5½ pounds.	11/64 inch.	8¾ pounds.
1½ inch.	⅛ inch.	6¾ pounds.	3/16 inch.	12 pounds.
2 inch.	5/32 inch.	10½ pounds.	15/64 inch.	19 pounds.

IRON VALVES.

Size of Valve in Inches.	Thickness of Shell.	Weight in Pounds.	Thickness of Shell.	Weight in Pounds.
2½ inch.	9/32 inch.	29 pounds.	7/16 inch.	54 pounds.
3 inch.	5/16 inch.	44 pounds.	9/16 inch.	90 pounds.
3½ inch.	11/32 inch.	50 pounds.	⅝ inch.	105 pounds.
4 inch.	11/32 inch.	77 pounds.	21/32 inch.	130 pounds.
4½ inch.	11/32 inch.	86 pounds.	23/32 inch.	182 pounds.
5 inch.	⅜ inch.	99 pounds.	¾ inch.	237 pounds.
6 inch.	⅜ inch.	130 pounds.	¾ inch.	304 pounds.
7 inch.	7/16 inch.	178 pounds.	27/32 inch.	401 pounds.
8 inch.	7/16 inch.	239 pounds.	27/32 inch.	444 pounds.
9 inch.	15/32 inch.	301 pounds.	⅞ inch.	
10 inch.	½ inch.	373 pounds.	15/16 inch.	
12 inch.	9/16 inch.	506 pounds.	1⅛ inch.	
14 inch.	19/32 inch.		1 7/32 inch.	
15 inch.	⅝ inch.		1 5/16 inch.	
16 inch.	⅝ inch.		1⅜ inch.	

663. Valves with flange unions shall be set where shown on the drawings, where specified or as may be necessary.

All valves set in connection with nickel-plated pipe or fixtures shall be of same finish as the pipe which they control.

All valves on fire stand pipe for hose control, where specified, shall be heavy pattern nickel-plated brass, angle globe valves of design as may be approved by the Architects.

664. All heavy-pressure valves shall be factory tested to 500 pounds, and light-pressure valves shall be factory tested to 300 pounds hydraulic pressure per square inch.

All valves shall be tested at building under same pressure as the pipe they control.

Valves, Tags and Charts.

665. All valves, except those about fixtures in toilet rooms, or those on the fire stand pipes in hall, etc., shall be provided with a large nickel plated brass tag stamped with a designating number, 1 inch long, which tag shall be securely fastened to handle of valve by wire or chain and so set that number shall always hang vertical and out from valve. The Contractor, when work is finished, shall furnish and set at such points as the Architects may direct, four large-sized typewritten lists of all tagged valves, showing their location, function and corresponding numbers; lists shall be framed, covered with glass and shall meet the approval of the Architects.

Insulation.

666. All hot and circulation risers, pipes, mains, supplies and branches throughout the building, whether exposed or lying in walls, chases, flooring, furring, etc., except the short nickel-plated supply branches at fixtures shall be insulated with the best quality, 85 per cent. carbonate of magnesia sectional insulation, 1 inch thick in sectional lengths.

667. All cold water pipes, main, branches, fire main and branches, etc., that may be situated in the basement, mezzanine and fourth story, or may be situated in rooms or locations where they may be liable to "sweat," in the opinion of the Architects, shall be insulated with solid wool felt, sectional insulation, tar lined, 1 inch thick.

All cold water pipes, mains, risers, supplies, branches, etc., which on account of their position or location may be exposed to freezing, in the opinion of the Architects, shall either be insulated with 3 inches of hair felt, put on in sections, 1 inch thick, with broken joints, or may be protected by a double thickness of wool felt sectional insulation, as the Architects may decide.

668. All sectional insulation shall be securely held in place by clamped lacquered brass band, and where exposed or as may be directed by the Architects, shall be covered with a 10-ounce canvas duck jacket neatly and thoroughly sewed on, and given two coats of fireproof paint, of color and make as may be approved by the Architects.

The hot water heaters and hot water tanks, etc., shall be insulated with 85 per cent. carbonate of magnesia blocks, 1½ inches thick, securely wired on, with joints carefully cemented and entire surface given ½ inch smooth coating of magnesia cement.

Insulation for filters, suction tank, etc., shall consist of a layer of tar paper, laid against the metal, then a 1-inch layer of hair felt, then another layer of tar paper and a final layer of hair felt; each layer shall be securely wired on before other layers are applied.

Insulation for heaters, tanks, filters, etc., shall be properly, securely and neatly encased in 10-ounce canvas duck covering and properly and neatly sewed on and given two coats of fireproof paint of color as may be approved by the Architects.

669. All hot and cold water pipes which on account of necessity may be buried in the earth, shall be insulated with A. Wyckoff & Sons Company or other equal make, as may be approved by the Architects, sectional unlined wood stave covering, well painted before being covered.

The cold water piping for the cooled drinking water system shall be insulated with Nonpareil cork covering finished in mineral rubber with molded fittings to cor-

respond, all securely and properly held in place. Such pipes as may be exposed shall be covered with 10-ounce canvas duck, neatly and properly sewed on, and given two coats of fireproof paint.

670. The cooling tank of the cooled drinking water system shall be insulated with 4 inches of cork insulation, enclosed in a hardwood casing which shall be carefully cleaned and thoroughly varnished.

Nickel Plated Work, Pipe, Fittings, Fixtures, Trimmings, etc.

671. All exposed traps, waste, vent and supply pipes, all faucets, valves, brackets, metallic legs and other appliances and devices, etc., about individual plumbing fixture, and those in toilet rooms, also all bolts, fastenings, brackets, angles, supports, hinges, etc., or other metalwork in conjunction with the marblework, water-closet seats, flush tanks, or other similar work, shall be heavy brass pipe, iron pipe size, or heavy cast brass, all heavily nickel-plated.

The term "Nickel-plated," as employed in these specifications, shall mean heavy polished brass nickel-plated with the heaviest plating manufactured.

672. All nickel-plated work shall be set with the greatest care, so as not to show tool marks or other defacements, and all pipes, fittings, valves, etc., shall be set close, so that no threads may be seen.

Nickel-plated pipe hangers shall be fastened to plastered walls or ceilings by being screwed into metallic plates, set securely behind finished plaster work, before plastering has been started. Hangers shall be attached to marble or tile work by means of expansion bolts of approved make.

Tests.

673. The Contractor shall make shop tests at factory of all pumps, tanks, filters, water cooling apparatus and other machinery, apparatus, or appliance, etc., which may be operated under pressure when installed in the building, which tests shall be under same pressure as that to be employed in building, and shall prove the above material, work, apparatus, machinery, etc., free from all defects of any kind, including those of material, construction or efficiency, and none of the said material, work, apparatus or machinery, etc., shall be delivered at the building until such tests have been made and proved satisfactory. These tests shall not relieve the Contractor from responsibility for defects disclosed by tests after installation in the building, the purpose of such factory tests being to avoid delays upon the work through delivery of defective material, work, apparatus, machinery, etc.

Any leak, defect or deficiency in stipulated, usual and understood requirements disclosed by any tests shall be considered evidence of unsatisfactory material, work, construction, etc., and the tests shall be repeated after repairs, replacements or correction of such unsatisfactory material, work or construction, etc., have been made, until the said material, work and construction shall stand the tests, without evidence of defects, imperfections or deficiency of requirements and to the entire satisfaction of the Architects.

674. Upon the completion of the "roughing work" of the drainage system throughout, and after the connections of all lead bends, traps and branches and the insertion of all hand holes, covers and cleanouts, and immediately before connecting the various fixtures, all fixtures and other openings and ends in the system of soil, waste and vent pipes, rain leaders and rain water drains, except the ends of the highest columns, at the roof, shall be securely closed with suitable screw plugs or other device rendering the entire system completely watertight. The entire system of pipes from beyond the main house traps and other lowest points, to the level of the highest pipes at the roof, shall then be filled completely with water to the level of the highest pipes at the roof, and allowed to stand for at least two hours, during which time the work shall stand without leak or loss of water. All leaks or defects of any description shall be repaired and the tests repeated until the work stands without any leak or defect of any description, and to the entire satisfaction of the Architects. The above test shall in general be applied to all floor drainage work. The Architects may allow the drainage and vent stacks to be tested in 12-story lengths, in which case special Tucker testing plugs and connections shall be used. Soil, waste and vent pipes, opening above the roofs rendered inaccessible by roof construction, shall be provided with full size plugged T fittings for testing, placed below roof in accessible place.

675. Upon final completion of the drainage system, the Contractor shall apply the smoke test to the entire system, and shall provide a suitable number of smoke testing machines equal to Thompson or Beekman make, and shall connect and operate the same to completely circulate through and fill the entire system of pipes with smoke and maintain the same under pressure during tests. The tests shall be maintained for such periods of time as may be required by the Architects. All leaks or defects of any description discovered by the test shall be repaired and made good, and the test repeated until the work stands without defects of any description, and to the entire satisfaction of the Architects.

676. All hot, cold, circulation and cooled drinking water mains, risers and branches, etc., with their valves shall be filled with water and tested to a pressure of 500 pounds per square inch hydraulic pressure applied at some convenient point in cellar. Leaks or defects discovered by the tests or otherwise shall be made permanently secure by replacing defective materials or workmanship with sound and secure work, and the test repeated until the work is secure throughout, and satisfactory to the Architects. Any leak or defects discovered or exhibited after the pipes have been closed in shall be repaired and tested to the satisfaction of the Architects and the damage done to plaster, or other materials, or work of other trades in order to locate and repair such leaks shall be made good by the Contractor at his own expense and to the satisfaction of the Architects.

677. All gas piping shall be tested at least twice; one test before being covered in and one test after being covered in. The test shall be made with ether, air pump and mercury gauge, and the work under test shall maintain a pressure of 16 inches of mercury at the gauge, without showing a drop of more than 1 inch an hour.

678. Each filter with its valves, piping and connections shall be thoroughly tested in place, and shall deliver into suction tank under actual test the stipulated quantity of water, and shall in all respects be satisfactory to the Architects. After being in use in the building for such time as the Architects may decide, the Contractor at his own expense, upon written request from the Architects, shall have a number of chemical and bacteriological analyses made of the filtered water by such chemist as the Commissioner may decide, the samples for such analyses being collected by the chemist in the presence of the Architects and the Contractor. The results of such analysis shall show a bright, clear water free from all turbidity and suspended matter and with a bacterial removal of at least 98 per cent., when the number of bacteria in the sample collected number 4,000 to the cubic centimeter.

679. All pumps shall be thoroughly tested at the Contractor's expense, in the presence of and to the satisfaction of the Architects, and shall deliver under actual test in place in the building the stipulated quantities of water at points specified.

The hot water supply heaters and system of piping and circulation shall be tested after installation, and shall demonstrate the efficiency of the plant and circulation system to supply hot water to all hot water faucets at a temperature of 120 degrees within 30 seconds from time of opening any faucet, and shall demonstrate heating capacity of boilers and the thermostatic control.

Cleaning Pipes, Machinery, etc.

680. All pipes, machinery, apparatus, etc., upon completion shall be thoroughly cleaned from all grease, dirt or other material before being painted.

All nickel-plated pipes and work and finished metal work shall upon completion be thoroughly polished.

Protection of Pipes, Fixtures, Machinery, Apparatus Against Injury and From Freezing.

681. All pipes, fittings, machinery, fixtures, apparatus, etc., and all other parts of the work, shall be protected against injury by proper boxing, casing, covering, etc., and from freezing during the construction of the building.

Gasoline Furnace.

682. No gasoline vapor furnaces shall be allowed to be used by the Contractor upon this work without a written permit from the Fire Insurance Companies carrying risks upon this building or the work therein or adjoining thereto.

DRAINAGE SYSTEM.

Definition of Terms.

683. The term "house sewer" is applied to that part of the main drain or sewer extending from a point 2 feet inside of the wall to its connection with the street sewer.

The term "house drain" is applied to that part of the main horizontal drain, and its branches, inside the walls of the building and extending up to and connecting with the house sewer.

The term "soil pipe" is applied to any vertical line of pipe, extending through the roof, and receiving the discharge from one or more water closets, with or without other plumbing fixtures.

The term "waste pipe" is applied to any pipe extending through the roof and receiving the discharge from any fixture except water closets.

Term "vent pipe" is applied to any special pipe, provided to ventilate the system of piping and to prevent trap syphonage and back pressure.

The term "rain water drain" is applied to that part of the main horizontal rain water pipes and branches extending from the "house drain" and connecting with the rain leaders, area drain and other pipes receiving rain water.

The term "rain leader" is applied to any vertical or oblique line of pipe, receiving rain water drainage from roof gutters or other surfaces, receiving rain water.

Grade.

684. All horizontal drainage work shall be laid with a fall of at least ¼ inch to the foot.

Clean-outs.

685. Fittings for clean-outs shall be set and provided on all house drains, and branches at frequent intervals, at the ends of all horizontal lines, at the base of all main vertical soil and waste pipe, and where shown on the drawings, or as may be directed. All clean-outs on pipes under the floor shall be provided with access pits as hereinbefore described and of size as may be shown on the drawings. All clean-outs shall be same size as the pipe to which they belong, but not larger than 6 inches in diameter.

Clean-outs shall be special heavy cast-brass screw plugs, the ends of which shall be provided with heavy square nuts, threads shall be standard, tapered, iron pipe size. Clean-outs shall be screwed into heavy cast-brass fittings, which have been screwed or calked into the fittings on the drainage pipe.

All running traps for house drains, areas, courts and floor drains, leaders, etc., shall have openings securely closed by means of heavy cast-brass screw clean-out plugs.

Change of Direction; Offsets.

686. All change in direction of runs of pipe shall be made with Y branches and 45-degree fittings. Special long T-Y branches will be allowed on vertical lines only.

Rust bends, or short 90-degree fittings, will not be permitted on drainage or vent piping, where rust scale may accumulate. No bent or bowed pipe will be allowed.

House Sewers.

687. There shall be provided and laid where shown on the drawings two 14-inch, one 8-inch and one 6-inch "extra heavy" cast-iron house sewer. The northerly 14-inch house sewer shall extend from house trap to the public sewer in Duane street and the southerly 14-inch house sewer to the sewer in Park row. The 8-inch house sewer has been already provided. The 6-inch house sewer shall extend from 6-inch house trap to public sewer in Duane street.

Each new house sewer shall be laid upon a firm bed of concrete from outside main building wall to its intersection with the public sewer. Before being covered in and after being inspected by the Architects, the house sewers shall be given a thorough and heavy coating of asphalt paint, after which the trench shall be carefully refilled to prevent dislodgment of pipes. Heavy cast-iron sleeves shall be provided at points where house sewers pass through main walls.

House Traps.

688. At points shown on drawings provide and set "extra heavy" malleable iron running house traps similar to J. L. Mott Iron Works, Plate No. 9361-A, or other, as may be approved by the Architects; one 14-inch for the northerly main house drain; one 14-inch for the southerly main house drain; one 8-inch for house drain from machinery room, and one 6-inch from engineer's and subway toilet. Vent openings shall be securely closed by means of heavy pattern cast-brass screw plug clean-outs.

Boiler Blow-offs.

689. A separate fitting on the sewer side of southerly main house trap shall be provided for a 4-inch boiler blow-off connection.

Fresh Air Inlets.

690. From separate fittings on the house side of main house traps, there shall be taken extra strong galvanized wrought-iron fresh air inlets. Those from the 14-inch house drains shall be 12 inches in diameter and shall extend to area at entrance of boiler room; that from the 8-inch house drain shall be 6 inches in diameter and shall extend as shown on drawings to base of pier, two feet above walk; that from the 6-inch house drain shall be 4 inches in diameter and shall extend to area same as the two 14-inch. Each fresh air inlet shall be provided with full size Acme or other fresh air inlet device, set inside building, of form to be approved by the Architects. In side walls of area and at face of pier, securely place heavy polished cast-brass perforated plates with openings equal to area of pipes; plates shall be set flush with masonry.

House Drains.

691. From each of the main house traps shall be run extra strong galvanized wrought-iron house drains, two of which shall be 14 inches and shall extend to fourth story and there reduce and run as shown to connect with the different soil branches and rain water drains, etc. All drainage work in fourth story shall be extra strong galvanized wrought-iron pipe. A 6-inch extra strong galvanized wrought-iron house drain shall be run as shown to provide drainage for engineer's toilet, subway toilets, area drains, and drains from fresh air intake for the ventilating system. An 8-inch extra heavy cast-iron house drain shall be run as shown to provide drainage for machinery room, balconies, court and other drains. All work shall be carefully supported by pipe hanger, as hereinbefore specified.

Court and Area Drainage.

692. All courts and areas, etc., shall be provided with ample drainage, consisting of extra strong galvanized wrought-iron pipe where above ground.

Area and Court Catch Basins.

693. Where shown on the drawings, provide and set complete, galvanized cast-iron catch basins, similar to Board of Education Standard Catch Basin, with 3-inch outlets. In court facing Centre street and on either side of Chambers street, provide and set heavy cast-iron catch basins with 4-inch bottom outlets, catch basins shall be 16 inches by 16 inches and 12 inches deep, and shall be provided with heavy polished cast-brass cover, with numerous rectangular openings.

Drainage for Machinery, Apparatus, etc.

694. All machinery, apparatus, fixtures, etc., shall be provided with drainage, when needed, which shall in general connect with the floor drainage system, or as may be specified or shown.

Floor Drainage.

695. Boiler and machinery rooms shall be provided with adequate floor drainage, consisting of extra heavy cast-iron drain pipes and branches painted as specified for house sewer, which shall run as indicated and shall be provided with traps.

The floor drainage for the machinery room shall connect with the 8-inch house drain, as shown.

The floor drainage for the boiler room shall run to sump as shown, and shall be provided with running trap as indicated.

Floor Drain, Cesspools.

696. Where shown on the drawing, provide and set complete, heavy galvanized cast-iron cesspools, 12 inches by 12 inches on top and 10 inches deep; cesspool plate shall be perforated with rectangular openings. Also provide perforated inside strainers. Cesspool shall have removable bell trap and 3-inch outlet and shall be made in two pieces with sheet lead flashings, which shall be fastened to cesspool.

Each cesspool shall be provided with heavy sheet lead flashing extending 12 inches beyond all sides for water-proofing.

Sump Pump and Ejector.

697. Where shown on the drawings in the boiler room there shall be provided and connected up complete a Henry R. Worthington, or other of equal make as may be approved by the Architects, submerged centrifugal pump, which shall be direct connected to a 4 horse power vertical electric motor of the General Electric Company, or other of equal make as may be approved by the Architects, by a bronze shaft, enclosed in brass casing. The pump shall have a capacity under test of 250 gallons per minute, shall have a bottom suction and shall be provided with a rigid and secure base, and with heavy cast-brass impeller and casing. Motor shall be mounted upon a heavy cast-iron plate of sufficient strength, which will form cover for sump, and which shall be approximately 4 feet square and which shall be provided with manhole and cover 18 inches by 18 inches, both plate and cover shall be provided with countersunk rings, so that they can be easily removed. That section of discharge between underside of iron plate and pump shall be of heavy brass pipe. Pump shall have 4-inch discharge with trap and check to sewer side of main house trap. The Contractor shall provide and set complete in sump an automatic tank switch, and on wall in location selected by the Architects, or as shown on the drawings, a starting box, both shall be of Sundh or other equal make, as may be approved by the Architects, starting box shall be mounted upon suitable marble panel. All electrical connections shall be made as hereinbefore specified.

In sump provide and connect up complete an auxiliary 4-inch brass steam ejector, with 4-inch discharge with trap and check, which shall connect with discharge from sump pump. Suction pipe shall be of heavy brass. Steam connections shall be provided as hereinbefore specified.

Soil and Vent Stacks.

698. Where shown on the drawings there shall be run soil and vent stacks of standard galvanized wrought-iron pipe which shall extend up through the building and open above the roofs, as shown. The soil stacks shall connect with the house drain in fourth story as indicated.

Soil stacks Nos. 8 and 18 shall be 6 inches and Nos. 1, 15 and 23 shall be 5 inches in diameter.

Accompanying each of the above soil stacks there shall be carried a 6-inch vent stack which shall run up through building and open above roof, as shown, and which shall branch back into soil stack at fifth story.

699. From soil stacks, Nos. 8 and 18, there shall be extended 5-inch vent lines which shall join separate 5-inch soil lines at second story, as shown. Separate 5-inch soil lines shall be run as shown, from third story. Each of these lines shall drop to ceiling of first story, where they shall join the 14-inch house drains.

For the toilet rooms on fourth story, there shall be run separate 4-inch soil lines which drop to mezzanine and join house drains as shown.

Waste and Vent Stacks.

700. As indicated upon the drawings, there shall be run waste and vent stacks of standard galvanized wrought-iron pipe, which shall extend up through building and open above roofs as indicated.

Waste stacks Nos. 7 and 19 shall be 4-inch, with 5-inch vent; Nos. 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 17, 20, 21, 22 and 24 shall be 3-inch, with 5-inch vent.

From lines Nos. 1, 2, 3, 4, 5, 6, 20, 21, 22, 23 and 24 shall be extended below fourth story 2-inch vent lines, which shall join separate 2-inch waste lines at second story. Separate 2-inch waste lines shall be run from third story, as shown, on each of these lines, and shall drop to mezzanine, where they shall unite and run to 8-inch house drain, as indicated.

Plugged Outlets for Future Connections.

701. Long sweep 5-inch T-Y fittings shall be set in soil stacks Nos. 8 and 18 at each story near ceiling. On soil stacks Nos. 1, 15 and 23 fittings shall be 4-inch and shall be set so that outlet shall be on top of steel beams.

Regulation long sweep 2-inch T-Y fittings shall be set in waste stacks Nos. 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 17, 20, 21, 22 and 24, at each story, so that outlet shall be above steel beams and below finished floors. On waste stacks Nos. 7 and 19, there shall be left at each story 3-inch openings above steel beams.

Regulation 3-inch fittings shall be set on vent stacks Nos. 7, 8, 18 and 19, at each story, 3 feet above finished floor. On all other tracks, fittings shall be 2-inch and similarly placed.

All fittings shall be left plugged for future connections.

Leaders.

702. There shall be run, as shown upon the drawings, standard galvanized wrought-iron leaders which shall extend up through building and shall have branch connections with all roofs, balconies, cornices, etc., as may be necessary.

Leaders A, B, N and O shall be 6 inches and shall have branches run to balconies, cornices, roof house, etc., as shown.

Leaders C, D, H, J, L and M shall be 5 inches, and shall have branches to main roofs, balconies, cornices, roof house, as shown.

Leaders F and K shall be 4 inches and shall extend to main roof, etc.

Leaders G and I shall be 4 inches and shall extend to tower roofs, with branches to points as indicated.

Leaders P, Q, R and S shall be 3 inches and shall drain top of colonnade facing Centre street, shall drop to mezzanine, and shall be trapped collectively.

Leaders F and G, and I and K, shall be trapped together, as shown.

703. All leaders shall be provided with running traps at their base and of size shown.

Leader connections with gutters, roofs, etc., shall be made by means of heavy lead bend, heavy cast-brass ferrule with wiped joints, and shall be screwed into leader stack, or by other methods, as may be approved by the Architects. Leaders passing through roofs or walls shall be flashed as hereinbefore specified.

WATER SUPPLY SYSTEM.

House Mains from Street.

704. From independent high-pressure Croton mains on three streets shown or as may be directed by the Architects, make 4-inch connections with "Smith Taps," and from each of the three 4-inch connections extend 6-inch house mains into building of extra strong, galvanized wrought-iron pipe. At points in building shown, place 6-inch double gate control valves and extend main to fish traps and meters.

Fish Traps and Meters.

705. At points shown on drawings, provide and set upon proper and secure foundations, two 4-inch fish traps and meters of 600 gallon capacity each per minute for each of the three 6-inch house mains. The fish traps shall be part of meter and shall be so arranged that strainer can be reached through separate handhole plates, without disturbing meter or its working parts. The meters shall be of the "Turbine" type, with balanced water wheels, and shall be so arranged that all of the interior parts may be reached without breaking pipe connections. Fish traps and meters shall be set with standard flanged connections, and shall have full size valve control on both sides. From each group of two meters take 6-inch valved connection which shall unite into an 8-inch street service header which shall be connected to filters as shown.

Filter Plant.

706. Provide and set complete where shown on the drawing, or as may be directed, upon proper foundations, a filter plant, consisting of five vertical, double-cylinder, cast-iron water filter units, each unit to consist of two vertical cast-iron cylinders.

Each double cylinder shall have a guaranteed minimum capacity of 100 gallons per minute, and a maximum capacity of 150 gallons per minute, of clean, bright, filtered water.

707. Each cylinder of each filter unit shall be composed of sections, and arranged so that they can be conveniently taken apart for repairs and for removing and replacing filtering material, and shall be securely bolted together, mounted upon extra heavy cast-iron stand or support.

The cylinders and bonnets of each filter unit shall be of the best close grain gray iron castings. Castings shall be of loam and green sand variety, free from sand holes and other defects.

Each cylinder of each filter unit shall be equipped with a single controlling valve, including all of the latest improvements in connection therewith.

708. Each of the single controlling valves shall be operated by a single lever moving over the plane of a registered dial, with the following stations plainly cast thereon, viz.: "Filtering," "Filtering to Waste," "Washing Filter Bed" and "By-Pass."

This valve, of the multiple type, shall be so arranged that by the movement of its single lever, the filter can be by-passed, or the action reversed for washing the filter bed, or so that after the filter bed has been washed the first filtered water may be allowed to waste, so as to rewash the bed, and permit the settlement of the filtering material in its proper place, ready for service.

This valve shall also be arranged so that the movement to the "Filtering" position delivers the clear filtered water through the outlet connection.

709. The inlet and outlet connections of each filter unit shall be 4-inch iron pipe, and the waste water connection shall be 3-inch iron pipe.

A distributor in the shape of a baffle, or breaker, shall be provided within the top head and bottom head, superimposed over the water inlet at the top and bottom of each vertical cylinder casing, so as to properly distribute the water over the entire area of the filter bed as it enters the filter from either the filtering or washing direction.

710. Each filter unit shall be provided with a multiple system of strainers, to be composed of perforated diaphragms, extending across and over the whole area of each filter chamber and bed and securely held between cast-iron plate and skeleton grates, or grills, bolted together with brass rod studs, with brass nut on each end, and placed between the two lower sections of each vertical cylinder casing; each strainer shall be of different mesh so as to thoroughly break up and distribute the currents of water in their discharge through the filtering chambers and material. The combined mesh of the strainers shall be sufficiently fine so as to prevent any of the filtering material from passing out of the filter bed in the filtering direction.

711. Each filter unit shall consist of two cylinders, one provided with a bed of clean, crushed, grained, quarried quartz, of an even mesh, and of proper size required, and the other provided with a bed of the best, clean, washed, specially prepared animal charcoal. The beds shall be free from impregnation with alum or any other foreign material.

712. Cylinder No. 1 of each filter unit shall be fitted with a cutting plate which shall be a perforated copper diaphragm, tinned on both sides, extending across and over the whole area of each filter chamber or bed, securely held between cast-iron skeleton grates, or grills, bolted together with brass rod studs with brass nut on each end, and placed in the centre grade seat of each cylinder casing, and immediately over and about 1 inch above the filtering material or bed, so that the filtering material or bed, with its mass of accumulated impurities, must pass and repass through it during the cleansing or washing operation.

713. Each cylinder of each filter unit shall be provided with a confining plate, composed of perforated copper diaphragms, tinned on both sides, extending across and over the whole area of each filter chamber, securely held between cast-iron skeleton grates, or grills, bolted together with brass rod studs, with brass nut on each end, and placed in the top grate seat of each vertical cylinder casing. This confining plate shall serve the purpose of preventing the filtering material from washing out of the filter casing along with the wash water into the waste pipe.

Each filter unit shall be piped and fitted with the best standard seamless brass pipe and red brass fittings.

Insert in the inlet and outlet lines ½-inch lever pattern ground key cocks for drawing samples of filtered and unfiltered water.

714. Each filter unit shall be provided with a test or sight glass, which shall be inserted in the line of each waste pipe, for observing the character of the filtered water, wash water and raw water, and protected by brass cage, and so arranged as to permit the glass to be readily cleansed. Sight glass shall be provided with valved washout and drainout connections for convenient service.

The interior of the filter units and pipes and valves shall be clean and free from grease, dirt, scale or foreign materials.

715. The filter plant shall be equipped with direct and indirect systems of automatically feeding coagulants to the water, including indicating device for gauging the amount to be fed. Arranged with valved connections so that the coagulating feed can be cut out of service if desired.

The construction of each vertical cylinder casing of each filter unit, and the manner of washing its filter bed, including an approved arrangement, shall be such as to prevent the filter beds from becoming lumpy, and from channelling.

716. The filter plant, when in general service and when under test, shall deliver through the outlet pipes at the rate of flow above mentioned, and when so in service and under test shall deliver filtered water of the following degree of purification:

The filtered water shall be bright, clear and free from turbidity, suspended matter and color, and of standard chemical purity.

When the number of bacteria in the unfiltered water is 5,000 or more per cubic centimeter, there shall be a bacterial reduction in the filtered water of at least 97 per cent. When the number of bacteria in the unfiltered water is less than 3,000 per cubic centimeter, the average number of bacteria in the filtered water shall not exceed 100 in number.

The Architects shall have chemical and bacteriological tests made of the filtered water, and by such persons as the Commissioner may select. The results of tests shall be absolutely satisfactory to the Architects.

The filtered water shall not contain more alumina than the unfiltered supply.

717. Each filter unit shall have valved 4-inch supply branch from the 8-inch house main as shown and valved 4-inch branch into 8-inch supply to suction tank. From each filter unit shall be taken a valved 4-inch waste with check, also valved draw-off which shall join the floor drainage system.

Each filter unit shall be so valved and by-passed that any or all may be cut out for repair, also so valved and cross-connected that pumps may take suction directly from filters.

It is the intention to supply filtered water to the entire building, unless otherwise shown or specified.

Suction Tank.

718. Provide and set where shown on the drawings in machinery room above floor and upon supports to be furnished as hereinbefore specified, a steel open suction tank of 15,000 gallons capacity, and of inside dimensions of 10 feet by 20 feet and 11 feet deep, with a depth of water of 10 feet.

The tank shall be constructed of best quality tank steel, plates shall be at least ⅜ inch in thickness and all well riveted and calked in most thorough manner. Tank shall be strongly braced and stiffened. Around top of tank shall be run heavy 3-inch by 4-inch angle iron, thoroughly riveted to body.

719. Tank shall be constructed of best quality tank plate steel, which shall be smooth, tough, fibrous, full gauge, of uniform strength, free from flaws, blisters, buckles, cracks and all other defects, and shall be of such grade as will be most appropriate for conditions under which it is to be used.

Steel plates and angles shall have an ultimate tensile strength of 52,000 to 60,000 pounds per square inch of section, with elastic limit of not less than one-half ultimate tensile strength, 8-inch test pieces, cut from plates, shall show 25 per cent. elongation, and pieces bent flat upon themselves shall show no outside fracture.

Steel plates shall be rolled from open hearth steel, and shall contain not more than .08 per cent. carbon, .04 per cent. phosphorus, and .04 per cent. sulphur.

720. All plates shall be accurately sheared and laid out for each particular part of the work. In flanging, plates shall not be turned to a shorter radius than that equal to their thickness, and all plates cracked will be rejected. All straight seams shall be machine planed to proper bevel for calking.

All rivets shall be of steel and shall have ultimate shearing strength of 40,000 to 45,000 pounds per square inch, and shall contain not more than .05 per cent. carbon, .03 per cent. phosphorus and .025 per cent. sulphur, and shall successfully withstand the driving head, and the nicking and bending test. All rivet holes shall be 1-16 inch larger than diameter of rivet to be used. No bad holes shall be allowed to be trued up with drift pins, but same shall be reamed, and, if necessary, larger rivets used. Rivets shall be so spaced that perfectly water-tight work may be secured.

721. All seams shall be thoroughly calked water tight on planed edges, by means of proper round nosed tools, care being taken not to scale the under, nor lift the upper plate. All seams shall be fitted clean, metal to metal, no paint or other filler being used, secure water-tight work depending entirely upon proper riveting and careful calking.

Provide tank with removable steel cover well braced, which shall be provided with two large-sized manhole openings with hinged covers set over the ball floats.

The Contractor shall be held responsible for strength and stiffness of tank.

Tank, covers, etc., shall be thoroughly painted, both inside and out, after being cleaned from scale, oil, marks, etc., with three coats of Prince's, or an equally good metallic paint.

722. Tank shall be provided with steel ladder to reach top and adjust ball floats, also to enter tank for cleaning or repairs.

Provide tank with 6-inch galvanized-iron overflow set 1 foot below top of tank, also with valved 4-inch draw-off, both to connect with drainage system. Under tank there shall be provided and set a strong, stiff steel safe, extending 6 inches beyond all sides of tank and turned up 4 inches, from which shall be taken a 4-inch safe waste with check, which shall join the tank overflow and draw-off.

723. At point shown in tank provide and set under manholes, seven 3-inch Ford, or other make as may be approved by the Architects, heavy pattern copper ball floats.

Provide and set a glass sight water gauge on tank in three sections with finished brass body and brass guards; gauge shall be similar to Crane Company's No. 516. Each section shall be provided with two valves and pet cock.

Make all pipe connections to tanks with inside and outside reveted flange joints.

724. Carry pipes through bottom and sides of tank and provide all required valves, checks, relief pipes, etc., on connections as may be necessary or as directed.

From filters extend to tank the 8-inch tank supply which shall run generally as shown. From this supply take off the seven 3-inch branches which enter tank and which are supplied with ball cocks as above specified.

Valved cross connections shall be made where shown between direct street supply and 8-inch supply from filters, so that in emergency, the tank may be supplied with unfiltered street water.

From tank take valved 15-inch discharge, which shall run on side wall above floor with valved 10-inch and 6-inch branches to the pumps as hereinafter specified.

Joints and connections of the 15-inch tank discharge with its branches, valves, etc., shall be made with flanged connections of standard make and pattern.

Pumps and Pump Risers.

725. There shall be furnished and set complete upon masonry foundations, 2 feet above floor in machinery room, to be provided as hereinbefore specified, ready for steam connections, five steam pumps, the three larger of which are for the house service tanks on the fourteenth story, and those on roof over the twenty-fifth story, and the fire service, and shall be known as the house and fire pumps, the two smaller known as the house pumps are for the house service tanks in the thirty-fifth story in the tower.

726. The three larger pumps above cited shall be of the horizontal, compound, duplex, outside, centre packed plunger type. Size of the high pressure steam cylinders shall be 16 inches diameter. Size of the low-pressure steam cylinders shall be 25 inches diameter. Size of the plungers shall be 10 inches diameter, length of stroke shall be 18 inches. Capacity of each pump on regular service shall be 500 gallons of water per minute against 400 feet head. Capacity of each pump on fire service shall be 1,000 gallons of water per minute against 600 feet head, under which conditions provision shall be made for the admission of live steam to the low-pressure cylinders. The two smaller, or tower tank service pumps shall be of the compound, horizontal, duplex, outside, centre packed, plunger type. Size of the high pressure steam cylinders shall be 14 inches diameter, size of the low-pressure steam cylinders shall be 20 inches, size of the plungers shall be 7 inches diameter, 15 inches stroke. Steam available to operate the pumps will be 75 pounds. Capacity of each pump shall be 300 gallons of water per minute against 600 feet head.

727. The steam ends of pumps shall be built with the low-pressure cylinders on the outside and so arranged that all pistons may be reached at outer end of its own cylinder without further dismantling the pump. The steam valves shall be of the semi-rotative Corliss type operated by outside adjustable links. The valves shall be located underneath the steam cylinders so as to drain the cylinders. Valves shall operate in sleeves, and not in a bore of the main casting, so that when wear takes place such sleeves or bushings may be readily replaced. The high and low-pressure cylinders of each side of the pumps shall be joined together by a solid casting through which the piston rod can operate without any outside stuffing boxes. The rods shall move through a floating sleeve and shall have a flange which shall make a ground joint with the corresponding face of the intermediate casting. The outside piston rod stuffing boxes on the ends of the high-pressure cylinders toward the water end, shall be packed with Holmes' metallic packing. Each pump shall be fitted with a two-quart Richardson mechanically-operated lubricator.

728. The water end of these pumps shall be of the outside centre-packed type; each water end being divided into four separate cylinder castings bolted together so that in the event of fracture only a comparatively small casting would have to be replaced. The plunger rods of the water ends shall be of Tobin bronze; the water plungers shall be of hard brass composition and water plunger stuffing-box glands and plunger throats in the water cylinders shall be brass bushed.

All pumps shall have the steam ends properly covered with asbestos covering, enclosed with Russia iron laggings, with heavy polished brass mounting, and with heavy spun brass heads, and hinged openings to all valves.

729. The three larger pumps shall have 10-inch valved suction, from the 15-inch suction tank discharge, and 6-inch discharge with 4-inch steam and 6-inch exhaust connections. The smaller pumps shall have 6-inch valved suction, from suction tank discharge and 4-inch valved discharge with 3-inch steam and 5-inch exhaust connection.

Each pump shall be of the best workmanship and material throughout, and shall be supplied with a full and complete set of tools, wrenches, etc., for the proper care and adjustment. Tools shall be carefully mounted upon heavy suitable board, neatly painted and finished, and securely fastened to wall at point selected by the Architects.

Each pump shall be provided with water relief valves, with waste to suction tank.

730. The discharge from each house and fire pump shall enter a 6-inch header over pump from which shall be taken one 6-inch branch which shall unite with similar branches from the other two house and fire pumps and shall extend to house tank on fourteenth story, one 6-inch branch which shall unite with similar branches from the other two house and fire pumps and shall extend to house tanks over twenty-fifth story, and one 6-inch branch which shall unite with similar branches from the other two house and fire pumps and shall connect with fire line. The two house pumps shall have 4-inch discharge with valves and checks, which shall unite and extend to house tanks on the thirty-fifth story in the tower. Each of these branches shall have a full-size gate valve and horizontal swinging check. From house side of check shall be taken valved branches which shall unite into a header and be carried to pump governor; from this header shall be taken valved branches which shall be carried to pressure gauges located at convenient points on walls adjoining pumps.

731. Under each pump shall be placed a heavy brass drip pan with edge turned up one inch and heavily wired. From the middle of one edge at bottom of pan shall be taken a ¾-inch waste which shall extend to floor drainage system.

From all pump discharges shall be taken valved 1-inch drips, which shall run to floor drainage system.

All discharges from pumps and their branches shall be of extra strong galvanized wrought-iron pipe.

House Tanks.

732. There shall be provided and set complete upon supports to be provided as hereinbefore specified, three stories of steel house tanks on different stories. On the thirty-fifth story in the tower there shall be provided four rectangular steel house tanks, two with dimensions 10 feet 6 inches by 4 feet by 6 feet high, with 5 feet height of water, of a capacity of 1,500 gallons each; one tank 7 feet by 4 feet by 6 feet high, with 5 feet height of water, of a capacity of 1,000 gallons, and one tank 14 feet by 4 feet by 6 feet high, with 5 feet height of water and of a capacity of 2,000 gallons, a total for the four tanks of 6,000 gallons. The tanks on the roof over the twenty-fifth story, shall each have dimensions of 17 feet by 17 feet by 8 feet high, with height of water of 7 feet, and each of a capacity of 15,000 gallons, 30,000 gallons for the two tanks.

The tank on the fourteenth story is irregular in shape, is divided by a steel partition and shall have a capacity of 18,000 gallons.

733. All tanks shall be of the dimensions and shape shown on the drawings and shall fit space shown, as nearly as possible. All measurements for tanks shall be taken from building. House tanks shall be constructed in main details as called for under suction tank, with cover, manholes, ladders, painting, etc.

Under each tank there shall be provided a steel safe, similar to that already specified for suction tank, which shall be provided with wastes and checks, 3 inches for the safe under small tanks and 4 inches for safes under large tanks, and which shall connect into the tank overflows.

734. At a point approximately one foot below top of each tank, there shall be taken an overflow, that from the small tanks on the thirty-fifth story shall be 4 inches, and those from the tanks on the roof over the twenty-fifth story shall be 6 inches, all of these shall discharge on the roofs as shown. The 6-inch overflow from each division of tank on the fourteenth story shall run as shown on the drawings. All overflow shall be of standard galvanized wrought-iron pipe.

735. All tanks and each division of tanks shall be provided with a 4-inch valved draw off, which shall connect into tank overflow and run as shown.

All connections to and from tanks shall be with riveted inside and outside flange connections.

736. From the 4-inch pump riser to tanks on thirty-fifth story shall be taken a 4-inch valved branch from which shall be taken two 2-inch valved branches for each tank which shall act as tank supply. From the 6-inch pump riser for the tanks on roof over twenty-fifth story shall be taken a 6-inch branch which shall have 6-inch valved connections up to each tank, and from which shall be taken four 3-inch valved branches for each tank which shall act as tank supplies. From 6-inch pump riser for the tank on the fourteenth story shall be taken 6-inch valved branches, from which shall be taken four 3-inch valved branches, which shall act as tank supply for each division of tank.

All tank supplies shall be provided with Ford ball floats placed under manholes in tank covers.

From a point on level with overflow of each tank or division of tank, shall be taken a ¾-inch tell-tale which shall drop to machinery room in basement and discharge over sink.

All covers for tanks shall be provided with ventilation opening, 20 inches square, protected by two pieces of heavy brass netting, with cotton cloth dust filter set in between.

Tank Down Supplies.

737. The four house tanks on thirty-fifth story shall be connected with a 6-inch equalizing pipe at side near bottom of tanks and shall be provided with 6-inch control valves at side of each tank from which shall be taken 6-inch valved branches which shall unite and extend to fire lines as shown, with 6-inch check valve working downward. There shall also be taken from each of these equalizing pipes ¾-inch valved gauge pipes which shall unite and drop to machinery room. There shall also be provided a 6-inch equalizing pipe between tanks with 6-inch control valves at side of each tank, but set at such a height that there shall always remain in tanks 3,500 gallons reserve for fire purposes from which pipe shall be taken 4-inch valved branch which shall unite and drop to ceiling of twenty-fifth story. There shall also be taken from each equalizing pipe a valved 4-inch branch, which shall unite and drop to hot water heaters in basement.

738. From each house tank on roof over twenty-fifth story at side near bottom shall be taken a 6-inch equalizing pipe which shall run in ceiling of the twenty-fifth story, which shall be provided with 6-inch control valves and checks working downwards at side of each tank from which shall be taken 6-inch branches which shall connect with fire standpipes; there shall also be run to machinery room gauge pipes, similar to that specified for tanks on thirty-fifth story. There shall also be provided an 8-inch equalizing pipe between tanks with 8-inch control valves and check at side of each tank, but set at such height that there shall always remain in each tank 5,000 gallons reserve for fire purposes; from this pipe shall be taken an 8-inch valved branch with check, which shall drop to fourth story; also one 6-inch valved branch with check which shall drop to hot water heater in basement.

739. From each division of tank on fourteenth story shall be taken a 6-inch equalizing pipe which shall be provided with 6-inch valve control for each branch at tank from which shall be taken 6-inch valved branch with check working downward, which shall drop to ceiling of fourth story as specified above there shall be taken a ¾ gauge line which shall run as above specified. From each division of tank there shall also be taken an 8-inch equalizing pipe with 8-inch control valves and check at side, but set at such height that there shall always remain in each division of tank 4,000 gallons reserve for fire purposes; from this pipe shall be taken an 8-inch valved branch with check which shall drop to ceiling of fourth story, also a 6-inch branch with check which shall run to hot water heaters in basement.

All the above piping to and from the tanks shall be extra strong galvanized wrought-iron pipe, except that above the twenty-sixth story and the tank tell-tales, which shall be standard galvanized wrought-iron pipe.

Tank—Cold Water Distribution.

740. The 4-inch down supply from the tanks on the thirty-fifth story shall drop to the ceiling of the twenty-fifth story and run as shown, from which shall be taken valved branches connecting with the different supply risers. On the above 4-inch down supply at each story as shown shall be inserted 2-inch outlets for future toilet which outlets shall be left securely plugged.

It is intended to have the tanks on the thirty-fifth story supply all future fixtures above the twenty-fifth story.

741. The 8-inch down supply from the tanks on the roof over the twenty-fifth story shall drop to the ceiling of the fourth story, from which shall be taken 3-inch plugged outlets at each story from the twenty-fifth to fourteenth story, inclusive, for the future toilet rooms on north side of building. Below the fourteenth story the line reduces to 6 inches and runs as shown on ceiling of fourth story, from which shall be taken valved branches to risers which shall supply all future fixtures on the stories from the fourteenth to twenty-fifth, inclusive. Plugged ¾-inch outlets shall be left under floor on all supply risers following waste lines Nos. 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22 and 24. Plugged 1¼-inch outlets shall be left under floors on all supply risers following soil lines Nos. 1, 15 and 23. Plugged 1-inch outlets shall be left in shaft on supply following waste line No. 7. Plugged 3-inch outlets shall be left in shaft on supply riser following line No. 18. Plugged 2-inch outlets shall be left in shaft on supply riser following line No. 19.

742. The 8-inch down supply from the house tank on the fourteenth story shall drop to ceiling on the fourth story, from which shall be taken 3-inch plugged outlets at each story from the thirteenth story down for future toilet rooms on north side of building. At fourth story the line reduces to 6 inches and runs as shown, from which shall be taken valved branches to risers which are to supply all future fixtures on the stories from the thirteenth down. Plugged ¾-inch outlets shall be left under floors on all supply risers following waste lines Nos. 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 16, 17, 20, 21, 22, 23 and 24. Plugged 1¼-inch outlets shall be left under floor at each story on all

supply lines following soil lines Nos. 1, 15 and 23. Plugged 1-inch outlets shall be left in shaft at each story on supply risers following waste line No. 7. Plugged 3-inch outlets shall be left in shaft at each story on supply following line No. 18. Plugged 2-inch outlets shall be left in shaft at each story on supply riser following line No. 19.

Tank Cross Connections.

743. At convenient point in ceiling of the twenty-fifth story, provide full-sized valve cross connection between the cold down supply from the house tanks on the thirty-fifth story and the 8-inch equalizing pipe from the house tanks on the roof over the twenty-fifth story.

In shaft at fourteenth story provide full-size valved cross-connection between the tank down supply from the house tanks on roof over twenty-fifth story and the 8-inch equalizing pipe from the house tank on the fourteenth story.

Hot Water Heaters and Supplies.

744. Where shown on the drawings and upon suitable heavy cast-iron saddles, there shall be provided and set complete three hot water service heaters, each of which shall be guaranteed to heat 2,000 gallons of water per hour, from 40 degrees to 160 degrees Fahrenheit with steam at one pound pressure. These heaters shall be 40 inches in diameter by 120 inches long, with shell built of best open-hearth steel ½ inch in thickness with 9-16-inch steel bumped heads. The round about seams shall be single riveted, longitudinal seams triple riveted; the ring in steam end of head shall be heavy cast-iron dome-shaped, and securely riveted to shell. The tube sheets shall be of finished steel 1½ inches in thickness. The steam chamber shall be of heavy cast iron furnished with 4-inch steam inlet, 2-inch condensation, also air vent. The working pressure of these heaters shall be 250 pounds.

745. There shall also be provided where shown on the drawings one hot water service heater 25 inches in diameter by 78 inches long, with ⅜-inch steel shell, with 7-16-inch head. Round about seams shall be single riveted, longitudinal seams double riveted. The tube sheet shall be of steel finished 1¼ inches thick, the ring of heavy cast iron shall be dome shaped and firmly riveted to shell. The steam chamber shall be of heavy cast iron and shall have 2½-inch steam connection, 1¼-inch cendensation outlet, also air valve.

746. The heating tubes shall be "U" shaped and of 2-inch seamless drawn brass pipe of No. 13 gauge and tested to 800 pounds inside hydraulic pressure.

Tube sheets shall be separate and removable.

Heaters shall be provided with valved mud blow-off, all necessary valves, fittings, etc., complete. Heaters shall be provided with safety water relief valves, etc., and with best make of thermometer.

Heaters and supplies shall be entirely insulated, as hereinbefore specified.

All hot water system of the building shall be on tank pressure.

747. One of the large heaters shall have an independent 6-inch valved supply from the house tanks on the roof over the twenty-fifth story, another shall have an independent valved 6-inch supply from the tank on the fourteenth story, the third or auxiliary heater shall be so valved and cross connected that it may take the place of either of the other two, should occasion occur, and derive its supply from either series of tanks. The small heater shall have an independent 4-inch valved supply from the house tanks on the thirty-fifth story.

748. From each of the large heaters shall be taken valved hot water supply, same size as cold supply to heater. The supply from the auxiliary heater shall be cross connected with the hot supplies from the two other heaters. Two 6-inch valved hot supplies from the large heaters shall extend to the ceiling of the fourth story and there distribute as shown, the hot supply from the heater on the fourteenth story house tank shall supply up to and including the thirteenth story, the hot supply from heater on the house tanks on the roof over the twenty-fifth story shall supply from the fourteenth to twenty-fifth stories inclusive. The hot supply from the heater on the house tanks on the thirty-fifth story shall supply from the twenty-sixth story and above. From hot supply risers Nos. 1, 2, 3, 4, 5, 6, 8, 9,10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24, supplying up to and including the thirteenth story leave ¾-inch plugged outlets in floors at each story below the fourteenth story. From hot supply riser No. 7 leave 1¼-inch outlet in shaft at each story below fourteenth story. From hot supply risers Nos, 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24, supplying from the fourteenth to twenty-fourth stories inclusive leave ¾-inch plugged outlets in floors at each story. From hot supply riser No. 7 leave 1¼-inch outlets in shaft at each story from the fourteenth to twenty-fourth stories inclusive. From hot supply risers supplying from the twenty-fifth story up, there shall be left ¾-inch plugged outlets on each story in the floor, except on line No. 15, which shall have 1-inch outlets left in the floor.

749. All hot water supply pipes of every description shall be of extra strong galvanized wrought-iron pipe, except those above the twenty-fifth story, which shall be of standard galvanized wrought-iron pipe.

Drip Pans for Pipes.

750. There shall be provided and set under the horizontal runs of pipes in ceiling of the twenty-seventh, twenty-fifth, twenty-fourth and first stories, a strong and well-constructed drip pan, of heavy galvanized sheet iron which shall be securely hung from frequent heavy stiffening braces by means of iron straps and shall have sides turned up 1 foot and edges rounded over large wire. Drip pans shall be laid to drain, to certain points as may be directed, and shall be provided with 2-inch galvanized wrought-iron waste pipes which shall run and discharge as may be directed.

Circulation System.

751. From just above the highest fixture to be supplied from each hot water riser, carry back to heaters a circulation line of size shown, with valves at foot of each individual riser, and valve and check at heater.

Expansion Line.

752. Carry up a hot water riser, adjoining each system of house tanks to such a height as may be necessary and return into tanks.

Street Pressure System.

753. All fixtures, apparatus and machinery, etc., below first story, except one 1½-inch supply to boilers, which shall be taken from down supply to hot water heater from the fourteenth story house tank, shall be on street pressure.

Fire Protection System.

754. There shall be installed in the building a complete and modern fire protection system, as will meet with the approval of the Fire Department and the Board of Underwriters, and according to drawings filed with the above Departments.

The fire protection system shall be installed in such a manner that water may be obtained from the fire reserve in the house tanks as already mentioned, from the house and fire pumps in machinery room and from the outside connection for the City fire engines.

755. At four points of building at street as shown on the drawings, there shall be provided and set heavy pattern 6-inch polished cast brass siamese hose connections with regulation openings, with heavy polished cast brass caps with heavy brass chains, all as may be approved by the City Fire Department. From the 6-inch siamese hose connections at streets shall be taken 6-inch branches, with checks and drips which shall connect with 6-inch main in mezzanine story as shown. Drips shall run to floor drainage. From the 6-inch main in mezzanine story shall be taken two 6-inch branches which shall extend to the fourth story where they shall connect with 6-inch horizontal branches. From the four 6-inch horizontal branches on the fourth story shall be taken the 6-inch fire standpipes which shall extend up through building to and including the twenty-fifth story. From the 6-inch fire line connecting with the fire reserve in the house tank on the fourteenth story, as already mentioned, shall be taken a 6-inch line, with check at tank working downwards which shall drop to the fourth story and there join the above 6-inch horizontal branch at which point provide check working downward. Just above the thirteenth story outlet on each of the four 6-inch standpipes shall be provided checks working upward. From the 6-inch fire lines connecting with the fire reserve in the house tanks in the roof over the twenty-fifth story as already mentioned, shall be taken 6-inch valved branches, one of which shall connect with each of the four 6-inch fire standpipes as already mentioned. The top of each of the four 6-inch fire standpipes shall be connected with a 6-inch line as shown.

756. From 6-inch fire line connecting with the fire reserve in the house tanks on the thirty-fifth story, shall be taken a 6-inch branch which shall drop to and connect with the 6-inch horizontal line connecting to the tops of the four 6-inch fire risers in the ceiling of the twenty-fifth story as above mentioned, and which 6-inch line shall act as a fire stand pipe for the stories from the twenty-sixth to the thirty-ninth inclusive; on this line provide a check working upwards just below outlets on twenty-sixth story.

From header over each of the house and fire pumps shall be taken a 6-inch valved branch with check which shall connect with the horizontal fire line in the mezzanine story.

Plugged 2½-inch outlets shall be left on each fire stand pipe on each story. On one stand pipe there shall be provided as the building progresses, valved branches with end for hose coupling, which shall be left on every other story, ready for use. The open ends of all fire stand pipes shall be capped as required by the Fire Department. The above fire stand pipe shall connect with temporary street Siamese connection which shall always be kept ready for use during the construction of the building.

757. From horizontal fire line in mezzanine shall be taken branches of size shown to the fire outlets in mezzanine.

Where shown on mezzanine plan, there shall be provided 2½-inch branch outlets for fire service, which shall be provided with nickel-plated cast-brass escutcheon at wall, and with 2½-inch nickel-plated heavy pattern globe angle valve with nickel-plated brass wheel handle with spindle set horizontal and hose nozzle looking down, right or left hand as required. To the nozzle of each valve shall be attached 100 feet of 2½-inch best qualtiy "Eureka" Fire Underwriters rubber-lined cotton hose as may be approved by the Architects and the Fire Department. Hose shall be provided with heavy polished cast brass couplings and heavy polished cast brass hose nozzle, etc. There shall be provided and securely set in conjunction with each valved outlet, an improved solid, polished, heavy pattern, cast brass "Howard" nickel-plated swinging hose rack, or other rack as may be approved by the Arichtects.

Sill Cocks.

758. There shall be provided and set where shown upon the plans ¾ inch sill cocks which shall be of heavy cast bronze with removable wheel handles and with heavy bronze connections. Sill cocks shall have valved supply branches with drip connections to floor drainage. All sill cocks shall be supplied from direct Croton mains or as otherwise specified. All pipe shall be of standard galvanized wrought iron pipe.

Water Pipe and Valves.

759. All pipes used upon the entire water supply system of the building, including pump risers to tanks, tank down supplies, the fire system, all hot and cold risers, etc., shall be extra strong galvanized wrought iron pipe, except as may be otherwise specified, and all valves used upon the above pipes shall be high-pressure valves as hereinbefore specified.

All water pipes above the twenty-fifth story, except fire lines, which are to be extra strong, shall be standard galvanized wrought iron pipe, with low-pressure valve, as hereinbefore specified.

Tests.

760. The entire water supply system, including the pump risers to house tanks, the down supplies from house tanks, the fire system with branches, stand pipes, etc., the hot water system with all heaters, risers, returns, etc., all cold branches, risers, etc., shall be tested as hereinbefore specified.

COOLED DRINKING WATER SYSTEM.

General.

761. This work covers the installation of a refrigerating plant for cooling drinking water and circulating it throughout the building to supply about 1,000 faucets on the various stories, as shown on the drawings. The plant shall be operated by exhaust steam at ½ pound pressure and shall be of the ammonia absorption type.

Method of Circulation.

762. The supply for the cooled drinking water system shall be taken through a 1½-inch valved branch from the supply to hot water heaters from house tanks on thirty-fifth story, which shall run through a filter under pressure into a pressure cooling tank in basement, from which it shall be circulated through risers and returns and shall follow in general the other water supply risers, as already specified. Plugged outlets shall be left on each story, on each riser, for future fixtures.

To avoid having excessive pressure on the faucets in the lower half of the building these shall be supplied from a separate cooling tank.

Each cooling tank shall have its circulating pump, but shall be cross connected, so either may be used on either system.

The high-pressure system shall be fed from house tanks on the thirty-fifth story and have faucets on the risers from fourteenth story and above.

The low-pressure system shall be fed from 1½-inch valved branch from the supply to the hot water heater from the house tank on the fourteenth story.

Capacity.

763. Furnish and erect one complete refrigerating machine on the ammonia absorption system capable of cooling 16 U. S. gallons of 231 cubic inches of water from 80 degrees to 35 degrees per minute, when operated with exhaust steam at ½ pound steam pressure and 80 degrees condensing water. Ammonia pump and water circulating pumps shall be driven by live steam at 75 pounds pressure. This capacity shall be produced when using both cooling tanks, and system shall work properly when ammonia is being expanded into each tank simultaneously.

Generator.

764. Furnish and erect one horizontal ammonia generator with cast iron shell fitted with steam coils of 2-inch extra heavy pipe with steel return bends, aggregating 540 square feet of heating surface. Heads shall be bolted on with 1⅛-inch bolts, 3½ inches apart on centres and scored for gaskets. Joints between shell and heads shall be made tight by rubber gaskets (lead joints not allowed).

Coil tails shall extend through front head with stuffing boxes and shall be joined into top and bottom cast iron headers for steam and drip connections. No coil tails shall extend through rear head, which shall be easily removable for cleaning purposes without disturbing stuffing box joints. Coils shall be placed on bottom of generator and shall extend up not over ⅝ of the diameter of the generator.

Fit generator with one vertical cast iron analyzer, 28 inches inside diameter and 6 feet high, with six cast iron trays of approved pattern and dome head.

Exchanger.

765. Furnish and erect one cylindrical exchanger with cast iron shell and domed heads fitted with extra heavy pipe coils, aggregating 360 square feet of heating surface. Tails of coils shall be staggered where they pass through heads and shall be fitted with gland elbows, which can be screwed on without touching adjoining elbow. Tails shall be joined into heavy cast iron headers by long nipples screwed into elbow and shall have a long, running thread into header, with stuffing box joints on headers, thus making all joints of the gland type.

Rectifier.

766. Furnish and erect one rectifier with return bend coil of 2½-inch extra heavy galvanized pipe with cast steel return bends fitted with glands, aggregating 100 square feet of cooling surface. Three of the return bends shall have ½-inch drip outlets connected into an inclined header with 1¼-inch drain to analyzer, all arranged so that header makes a trap and prevents gas from by-passing through it. Furnish and erect one tank of ¼-inch steel for containing this coil all complete.

Condenser.

767. Furnish and erect one double tube condenser, consisting of four coils of 1¼-inch and 2-inch pipe, aggregating 320 square inches of cooling surface measured on outside of the 1¼-inch pipe touching the ammonia; the 1¼-inch pipe shall be extra heavy. Coils shall be connected into headers top and bottom, and all joints shall be

perfectly tight. Water shall enter bottom and leave top headers and flow in parallel through eight 1¼-inch pipes, thus making a flow area of 10 square inches.

Provide approved cast iron standards and set up in a substantial manner.

Anhydrous Receiver.

768. Furnish and erect one welded receiver 12 inches diameter, 6 feet long, tested and tight at 1,000 pounds pressure, and fit with one set of ¾ inch automatic gauge cocks and glasses, providing a valve which shall close when the glass breaks, and which has a spindle that can be screwed in to move valve off its seat in case it gets stuck.

Absorber.

769. Furnish and erect one horizontal straight tube absorber with 2-inch charcoal iron tubes, No. 12 gauge, aggregating 1,050 square feet of cooling surface. Heads shall be provided with partitions, so that cooling water shall pass through six sets of tubes. Heads shall be bolted in place and removable for cleaning tubes. Absorber shall be fitted with cast iron automatic float regulator for controlling speed of ammonia pump.

Ammonia Pump.

770. Furnish and set two steam driven aqua ammonia pumps 10 inches by 4½ inches by 10 inches, and mount same upon cast iron bed plates full size of pump, and properly connect automatic regulator.

Cooling Tanks.

771. Furnish and erect two pressure cooling tanks, each 3 feet 6 inches in diameter and 14 feet long, inside measurements, shell shall be ¾ inch thick and domed heads 1 inch thick, of tank steel galvanized all over and tested to 400 pounds per square inch for working pressure of 250 pounds per square inch. Fit each tank with expansion coils of 2-inch extra heavy galvanized pipe, aggregating 1,000 linear feet, 2,000 feet in all. Coils shall be continuously welded and bent and provided with tails and stuffing boxes properly fastened to tank with joints made on outside, so there can be no leakage of ammonia inside tanks. Fit each tank with movable head so coils can be placed inside and removed if desired; also provide screwed flanges for pipe connections and drain.

Support each tank on two concrete blocks 2 feet wide, 3 feet long and 2 feet thick, set on ground thoroughly tamped.

Fit coil connections of each tank with suitable ammonia receivers 18 inches in diameter, 3 feet long, and connect complete, so as to expand on the flooded system.

Insulate receivers with 3-inch Nonpareil sheet cork mineral rubber finish.

Insulation of Tanks.

722. Encase each tank with Nonpareil sheet cork 3 inches thick, molded to fit the curvature of the tank and fastened on by heavy iron bands, No. 20 by 2½ inches, all thoroughly asphalted. Fit lagging rings and encase tanks with ⅞-inch by 2½-inch beaded ash lagging. Cork insulation shall extend under tank, so as to insulate tank from the supports.

Ammonia Connections.

773. Furnish and erect all extra ammonia pipes, fittings, valves and connections, all extra heavy throughout as necessary for the convenient operation of the plant. Fit automatic gauge cocks and glasses on the following vessels: Generator, anhydrous receiver, absorber, receivers of flooded system.

Gauge Board.

774. Furnish and erect one Italian marble gauge board, with two neat electric light fixtures, and support on brass columns nickel-plated.

Equip with the following 8-inch pressure gauges, with nickel-plated rims:

Generator ammonia gauge	0 to 300 pounds.
Absorber vacuum	0 to 150 pounds.
Exhaust steam	0 to 50 pounds.
Condensing water	0 to 100 pounds.
High pressure drinking water	0 to 350 pounds.
Low pressure drinking water	0 to 350 pounds.

Electric wiring connection shall be made as specified under Electrical Work.

Ammonia Charge.

775. Furnish one complete ammonia charge so as to operate machine to full capacity with 6-inch anhydrous ammonia in sight in the receiver. Also leave on premises 4 cylinders of anhydrous ammonia.

Water Pumps.

776. Furnish and erect on cast-iron bed plates full size of pumps of make as may be approved by the Architects, two duplex water pumps, brass fitted throughout for a working pressure of 300 lbs. per square inch. The steam end shall be special duplex type, with two steam cylinders and centre pieces all cast in one piece. Both pump cylinders shall be included in one casting. The steam and water ends shall be rigidly bolted together by means of the centre piece connections, into one compact, self-contained machine.

777. The steam cylinders shall be of hard, close-grained cast-iron of ample thickness for reboring. These cylinders shall be provided with plain "D" slide valves carefully fitted to a steam-tight joint with their seats. These valves shall take their motion from the main piston rods through the means of a simple system of levers and links.

The steam pistons shall be made of cast-iron and fitted with carefully finished, self-adjusting cast-iron packing rings.

The valve gear shall be of special duplex type built for hard service. All the valve adjustments shall be inside the steam chest, so that they cannot be tampered with by unskilled attendants.

The piston rods shall be made of Tobin bronze.

The pump cylinders shall be of the double acting piston type made of hard close-grained cast-iron. The barrels in which the pistons travel shall be accurately and smoothly bored and fitted with composition linings.

778. Convenient means shall be provided for getting at the pump valves and interior parts. The suction and discharge nozzles shall be conveniently located for making pipe connections.

The pump valves shall be disc poppet type, of special rubber composition. These valves shall work on bronze stems held upon their seats by means of coiled bronze springs. The valve seats shall be of composition so secured in the cylinder castings that they can never become loose.

The pump pistons shall be made of brass fitted with fibrous packing of suitable character for the service. These pistons shall be provided with removable followers for convenience in getting at the packing for adjustment or renewal.

The materials used in the construction of these pumps shall be the best of their respective kinds and the workmanship throughout first class.

Lubricators.

779. Fit each pump with a positive motion, sight feed, pint lubricator, nickel-plated, operated by a ratchet motion so as to feed oil uniformly into the cylinders.

Thermometers.

780. Install separate shank thermometers and sockets in following places:
Two in each suction of each pump.
Two in return from roof.
Two in fresh water inlet to each cooling tank.
One in inlet ice machine condenser.
One in outlet ice machine absorber.

Pump Covering.

781. Cover steam cylinders of pumps with 1½-inch, 85 per cent. magnesia, and encase in Russia iron with brass bands and spun brass heads.

Hangers.

782. Hang all pipes in neat and substantial manner with hangers approved by the Architects.

Wrenches.

783. Furnish full set of wrenches for bolts of machine and mount on neat hardwood wrench board, set in location, selected by the Architects.

Chain Wheels.

784. Furnish chain wheels and chain for turning all principal valves of ice machine from floor (3 in all).

Insulation of Generator, Analyzer and Exchanger.

785. Cover hot cylinders with 85 per cent. magnesia, 1 inch thick, and encase in lagging rings, oak lagging and brass bands nickel-plated.

Bed Plates.

786. Furnish and erect cast-iron bed plates under pumps, full size of pump to catch all drips.

Foundations.

787. Set pumps 24 inches off floor on base of masonry faced with enameled brick and capped with a 6-inch thick bluestone cap with suitable anchor bolts.

Painting.

788. Paint all machinery two coats best iron paint and finish with varnish. Woodwork and lagging to be varnished two coats waterproof varnish.

Piping.

789. The Contractor shall run all piping between cooling tanks and pumps and delivery complete with return to tank, and 1¼-inch drain from each cooling tank to pump; also

2½-inch street pressure supply and return to condenser.
2½-inch street pressure supply and return to absorber.
2½-inch street pressure supply and return to rectifier.
2½-inch street pressure supply and return to weak liquid cooler.
1½-inch street pressure supply to each cooling tank with connections to filters by-passed.

All shall be covered with cork covering 2 inches thick finished in mineral rubber.

All supply pipes, fittings, etc., used upon this work shall be extra strong galvanized wrought iron, except that above the twenty-fifth story, which shall be of standard galvanized wrought iron pipe. All valves shall be high pressure valves for extra strong pipe.

Filters.

790. Furnish and erect two filters of same construction and mechanical principles as hereinbefore specified, but for 250 pounds pressure and which shall have a capacity of from 8 to 16 gallons per minute.

Steam and Exhaust Connections.

791. All steam and exhaust connections to the three pumps, and generator with generator trap for 1,000 pounds per hour by-passed, shall be made and covered complete as specified under Heating Work.

Test and Operation.

792. After completion, the Contractor shall supervise operation of plant for one month to instruct employees in its care and management. During this time a capacity test shall be made of four hours' duration in the presence of and to the satisfaction of the Architects to demonstrate its ability to meet the contract requirements. In case any shortage in capacity is shown, the Contractor shall increase plant as necessary in order to obtain contract results and another four-hour test to be run as above.

Gas System.

793. The Contractor shall provide, set, and connect up complete, a system of gas piping for lighting the stair wells, halls, machinery and boiler rooms and such other rooms and spaces as may be shown upon the drawings or as may be hereinafter specified.

Gas Main Intakes, Main Control Valves and Meters.

794. Main intakes of adequate size to provide abundance of gas for all purposes and when all burners are lighted and in service shall be taken from the street mains of the Gas Company, and extended through foundation walls, with properly waterproofed sleeves as hereinbefore specified. At points on inside face of basement wall, where main intakes enter the building, there shall be set, all brass, heavy pattern, gas gate valves. At point shown on drawings or at location designated by the Architects there shall be provided and securely set suitable heavy wrought brackets or supports for the gas meters. The gas meters will be set by the Gas Company, but the contractor shall make all connections to and from them.

Gas Pipe and Fittings.

795. All gas piping shall be standard black wrought-iron pipe with malleable iron fittings unless otherwise specified as hereinbefore specified under "Pipe" and "Fittings."

Gas Joints.

796. All joints shall be screw joints as hereinbefore specified under "Joints," set up with red lead. No gasfitters' varnish or other similar substances will be allowed.

Gas, Change in Direction.

797. Any change in direction of runs of pipe shall be made with proper fittings; no bent or bowed pipe will be allowed.

Gas, Exposed Pipe and Fittings.

798. Where gas pipe and fittings may be unavoidably exposed on columns, marble, cabinet work, etc., said pipe and fittings shall be nickel-plated brass pipe and fittings.

Gas Outlets.

799. All gas outlets shall be set where shown generally upon the drawings, which location, however, is only approximate; their exact position can only be obtained from the Architects. All outlets shall be carefully centred in panels or other surfaces, etc., and care shall be taken to locate outlets, where they will not conflict with trim of doors, windows, or other features, and all outlets not properly centred shall be reset at Contractor's expense.

The Architects shall have the privilege of increasing the number of outlets by 5 per cent. of the number shown, without additional cost.

There shall be provided in basement and mezzanine stories, where directed by the Architects, fifty outlets not shown on the drawings.

Outlet nipples shall be set truly perpendicular to walls or ceilings and shall project such exact distances from proposed finish of surfaces that fixtures may be properly set; all outlets shall be left properly capped.

All outlets not connected with gas fixtures or appliances shall be securely capped and covered with neat escutcheon of design and material approved by the Architects.

Where combination fixtures may be used, gas outlets shall be carefully adjusted to conform to the electrical outlets.

Gas Pipes to Drain.

800. All gas pipes, except drops, shall be laid to drain to risers and mains without depressions, bends or traps of any description. Drips, pipes and drainout plugs shall be provided where necessary.

Gas, Support of Pipe.

801. All risers, branches, outlets, centres, etc., shall be securely held in place upon walls, ceilings, etc., by means of strong galvanized iron straps, securely screwed into strong, firmly set cleats; when said risers, branches, etc., are set against iron columns, beams, etc., they shall be secured in place by means of said straps screwed into tapped or drilled holes.

Gas, Runs of Pipe.

802. From meters, run mains on basement ceiling, from which take off branches to the different risers for fixtures.

All risers shall be valved at their foot.

All runs of pipes shall be carried as direct as possible and upon tops of beams. Branches for side outlets shall be run up from below, and centre outlets shall have special branches from main runs.

Lights.

803. The number of lights for each fixture shall be as indicated on the drawings. All individual light burners shall be considered as 5-foot burners.

Fixtures.

804. All gas lighting fixtures shall be provided by the Contractor and shall be strong, durable, brass, stock pattern fixture, of design and finish approved by the Architects. All fixtures shall have 5-foot burners with lava tips.

Gas, Exposure to Freezing.

805. All gas piping shall be located where free from exposure to freezing; should this be unavoidable, pipes shall be protected by insulation approved by the Architects.

Gas, Sizes of Pipe, etc.

806. In general the sizes of gas piping shall be proportioned according to the following table:

Size of Pipe in Inches.	Greatest Length of Pipe Allowed.	Greatest Number of Burners Allowed.
⅛-inch	20 feet	3
¼-inch	25 feet	6
⅜-inch	40 feet	20
1-inch	60 feet	30
1¼-inch	100 feet	60
1½-inch	150 feet	100
2-inch	200 feet	200
2½-inch	300 feet	300
3-inch	450 feet	400
4-inch	600 feet	700

No pipe of a diameter less than ⅜ inch will be allowed. Centre branches for outlets for four lights or more shall be at least ¾ inch in diameter.

Gas, Plans of Piping.

807. The Contractor shall furnish the Architects, for approval, drawing showing the proposed method for laying the gas piping, giving size of pipe and branches, etc.

Gas, Testing Pipe.

808. The entire system of gas piping shall be tested as hereinbefore specified under "Tests."

Plumbing Fixtures.

809. The Contractor shall supply, set and connect complete in all respects and in perfect working order the fixtures of the manufacture as may be designated below, or fixtures of other manufacture equally as good, as may be approved by the Architects.

Definition of Fixtures.

810. By fixtures is meant the water closets, urinals, basins, slop sinks and sinks, showers, etc.

Make of Fixtures.

811. All fixtures, trimmings, accessories and toilet accessories shall be equal to J. L. Mott Iron Works, Meyer-Sniffen Company, Standard Manufacturing Company, Peck Brothers & Co. or Federal Huber Company, and the fixtures shall be equal in quality, design, workmanship, finish and other particulars to the fixtures hereafter specified, all as judged and approved by the Architects. The catalogue references hereinafter referred to are those of the catalogue of the J. L. Mott Iron Works, and are used to designate and specify the size, weight, design, quality and details of the fixtures, but said references shall not be construed as requiring fixtures of that manufacture, as equivalent fixtures of the above manufacturers of approved make will be accepted, if they meet the requirements of the specifications as herein stated.

Earthenware Fixtures.

812. All earthenware fixtures, not otherwise specified, shall be of the best American vitrified ware.

Floor Flanges and Connections.

813. All earthenware water closet traps shall have heavy brass grooved or "dovetailed" floor plates soldered to the lead bend, and bolted to the trap flange, and the joint made gas tight with white lead and putty, care being taken not to stain the marble or tile floor with grease or other substance, from the connection. The use of rubber gaskets for floor connections is prohibited.

Strainers Over Outlets.

814. All fixtures other than water closets and urinals shall have strong metallic strainers or bars over the outlets to prevent obstructions of the waste pipe.

Overflows from Fixtures.

815. Overflow pipes from fixtures shall in all cases be connected on the inlet side of the traps.

Fixtures Exposed.

816. All fixtures shall be left exposed and open beneath, and work shall be neatly finished with this in view.

Woodwork.

817. All woodwork for water closet seats and covers shall be made from well seasoned, selected, quarter-sawn hardwood, free from sap marks, knots, shakes and other imperfections.

The seats and covers shall be doweled, jointed and put together in the best manner and shall be stained, varnished and rubbed. Color shall be as required by the Architects

818. The following fixtures shall be furnished and set:

List of Fixtures.

	Water Closets.	Urinals.	Sink.	Slop Sink.	Showers.	Total.
Mezzanine	2	1	1	..	1	5
Boiler and machinery room.	..	..	..	2	..	2
Total						7

819. It is not intended at this time to set any other plumbing fixtures in the building, except those herewith specified, but plugged outlets shall be provided on all risers for future fixtures.

Water Closets.

820. Provide and set complete where shown on drawings water closets equal to J. L. Mott Iron Works "Metropolitan," Plate No. 6013-R; all porcelain with porcelain closet, with nickel plated "Simplex" flush valve, 1½-inch heavy pattern mahogany-stained cherry seat without cover; which shall have heavy pattern post hinges securely attached both to seat and water closet.

Waste each water closet through 4-inch lead bend with heavy cast brass floor plate. Joints shall be made gas tight with dry white lead in shellac.

Vent top of lead bend by 2-inch lead and galvanized wrought iron vent branch.

Supply each flush valve at fixture through valved supply branches of size shown on the drawings. Each flush valve shall have independent nickel-plated controlling valve at fixture.

Urinals.

821. Provide and set complete, where shown on the drawings, urinals equal to J. L. Mott Iron Works, "Metropolitan," Plate No. 6013-R; all porcelain with porcelain strainer, nickel-plated "Simplex" flush valve, 2-inch nickel-plated heavy cast brass outlet connection with nickel-plated bolts, nuts, washers, etc.

Vent trap of urinal through brass T piece and galvanized wrought iron vent branch.

Supply each flush valve at fixture through valved supply branch of size shown on the drawings. Each flush valve shall have independent nickel-plated controlling valve at fixture.

Urinals shall be tested and selected with perfect flushing rims.

Urinals shall be set in stalls as shown.

Shower.

822. Provide and set complete, where shown on the drawing, a shower equal to J. L. Mott Iron Works, Plate No. 3044-A, with "Thermo" mixing valve, mixing column, hot and cold supply pipes to wall, with check valves; all nickel-plated. Supplies shall be provided with full size independent controlling valves.

Sink.

823. Provide and set complete, where shown on the drawings, a sink equal to J. L. Mott Iron Works, Plate No. 7055-A, "Rocona," roll rim sink, size 24 inches by 22 inches by 7 inches deep, with integral back, legs ¾-inch hot and cold compression faucets, with china name plate, brass waste, strainer and coupling chain, stay and rubber plug, 2-inch brass trap and waste to wall. All brass work shall be nickel-plated. Supplies shall be provided with full size independent controlling valves.

Sink, Slop.

824. Provide and set complete, where shown on the drawings, slop sink equal to J. L. Mott Iron Works, Plate No. 7518-A, "Rexmere," roll rim, galvanized iron sink, sizes 24 inches by 22 inches by 12 inches, with 3-inch iron trap standard, heavy cast brass bar strainer, with ¾-inch hot and cold compression faucets, with china name plates. Supplies shall be provided with independent controlling valves. All brass work shall be nickel-plated. Sink shall set free from wall and trap and vent branch shall be painted three heavy coats of white paint.

Hose Connection.

825 Provide and set complete over floor drains in boiler room, where directed, two heavy pattern ¾-inch cold compression draw cocks, with threaded ends for hose. All brass work shall be nickel-plated. Provide each supply with full size independent controlling valve.

ELECTRIC LIGHT AND POWER EQUIPMENT.

Scope of Contract.

826. This portion of the specification includes the following:

I.—Supply feeders from street service at basement to service switchboard on mezzanine floor.

II.—Main lighting feeders from service switchboard at mezzanine floor to main switchboard at fourth floor.

III.—Elevator supply feeders from service switchboard to elevator switchboards at twenty-fifth floor, and elevator tie line feeders.

IV.—Motor wiring for all motors.

V.—Electric light circuit work at basement, mezzanine and first floors.

VI.—Electric switchboards.

Record of Changes.

827. After the installation is completed, the Contractor must revise and verify his drawings in accordance with the exact and precise actual details thereof; and he must furnish the City with two copies (prints) of each sheet.

Laws and Ordinances.

828. The Contractor shall comply with all State and municipal laws and ordinances bearing upon the work, and with all rules and regulations of the Department of Water Supply, Gas and Electricity, and the New York Board of Fire Underwriters, and upon completion of the work shall file with the Department of Bridges certificates from all boards and departments having jurisdiction.

Control.

829. The work, in so far as the nature, number and distribution of lights and the economic control of the same is concerned, shall be executed to the satisfaction of the Department of Water Supply, Gas and Electricity.

Cutting and Chasing.

830. The chases for the main risers, feeder, conduits, etc., shall be provided as specified hereinbefore. The Contractor shall do all chasing and cutting required for individual conduits, branch circuit conduits, etc.

Electric Current Supply.

831. Source of Supply—Street service.
Kind—Direct current.
System—Three-wire for light, two-wire for power.
Voltage—Approximately 120 volts at the lamps and 240 volts at the motors.

Leakage and Insulation.

832. The insulation of the circuit work, from the feeding point to the outlet, shall be made sufficiently perfect in any circuit or branch under full current pressure and load to prevent a leakage exceeding one two-hundred thousandth part of the current in said circuit or branch.

Definite Locations.

833. The locations of panels, switchboards, outlets, motors, controllers, etc., indicated on the electrical plans, are supposed to be approximately correct, but are understood to be subject to such revision as may be found necessary or desirable at the time that the circuit work is installed.

No allowances will be made the Contractor for any changes necessitated in the circuit work in consequence of the Contractor's neglect to have the said locations defined or approved by the proper person or persons.

Feeders and Mains.

834. The section shows, diagrammatically, the general arrangement of the feeders and mains, their points of origin and termination, their relation to and connection with the various switchboards, cut-out groups, the mode of control, etc.

The feeder sheet is not intended to indicate the exact location, heights, etc., of cut-outs, nor the exact course of the feeders and mains.

The schedules or tables of data on this sheet give the approximate length of each feeder and main, the current (in amperes) supplied thereby, the loss of potential, the minimum sizes of conductor and conduit allowable therefor, etc.

Schedule of Sizes.

835. The length of conductors given for the feeders and mains on the feeder sheet are estimated from the plans by scale measurement, with allowance for bends, terminals, etc.

The Contractor must verify all lengths by actual measurements made at the building, at the earliest possible date, and all discrepancies must be reported to the Architects.

The Contractor shall provide and install conductors of the exact and precise length requisite for each case.

Branch Circuits.

836. All branch circuits shall be of No. 14 B. & S. gauge, unless otherwise indicated on the plans.

Tube Conduits.

837. A single conduit shall be used for each set of conductors and feeders, mains and branch circuits.

Kind of Circuit.

838. Conduits of the enameled type, such as Galvaduct, shall be used throughout. The particular make of conduit used shall be approved by the Architects.

Sizes of Conduits.

839. Use conduits of sufficient size to permit the wires to be at any time withdrawn and reinserted, without damage to either the wires or the circuits.

For branch circuits, use conduits having a clear internal diameter of not less than five-eighths inch.

For feeders and mains the minimum sizes (internal clear diameter) of conduit which the Contractor will be allowed to use are given in the schedule of data on the feeder sheet.

Arrangement of Conduits.

840. Conduits shall be run concealed as far as possible; in certain places it will be necessary to run the conduits exposed, and these must be run as directed at the time of installation.

All exposed conduits shall be run in a neat, workmanlike manner and painted two coats of paint of approved color.

The arrangement of conduits shall be, in general, subject to the direction and approval of the Architects in every detail; and all modifications that may be found necessary or desirable to overcome difficulties, or to meet unusual and unexpected conditions, must be submitted to and have the approval of the Architects before being carried out.

Protection of Conduits.

841. The conduit tubes shall be properly protected from mechanical injury and isolated from chemical action wherever they are likely to be exposed or subjected to injury from such causes.

The conduits shall be protected in an approved manner at all points where they pass though, are surrounded by, or liable to, chemical action from concrete, ashes, Keene cement, etc.; at all such points the conduits must be protected with a coating of asphaltum paint, applied in an approved manner as directed. This paint must be applied uniformly throughout before the conduits are laid in position. If necessary, a second coat must be applied to all points where the paint has been removed or scraped off.

Conduit Joints.

842. For all joints provide and use special threaded couplings, designed for the purpose.

All joints shall be leaded, same as for water piping.

Conduit Bends.

843. The Contractor will be permitted to make bends in the conduit, provided such bends be properly made and in a manner approved by the Architects.

Special bends of smaller radius will be required at certain points where the conduits turn downward from the hanging ceiling on the side walls and columns, etc., particularly for the horizontal runs around columns from the bracket outlet boxes on the sides of the same. These bends shall fit as closely to the columns as possible, but at the same time the curvature must be of sufficient radius to allow the wires to be readily inserted.

Conduit Ends.

844. Provide and use an approved conduit and insulator, or an approved equivalent, for each and every conduit end at cut-out cabinets and at all outlets, as required by the insurance rules.

Plug each section of conduit at both ends with cork as soon as installed, to prevent its filling with plaster, dust, etc., and to obviate moisture condensation therein.

Outlets.

845. Provide and set an iron outlet box for every electric light outlet and for every local switch outlet. Said outlet box shall be of approved design and construction, of form and dimensions suited and adapted in every instance to its specific location, the kind of fixture to be used, the number and arrangement of conduits, gas pipes, etc., connecting therewith.

For electric light outlets intended to be used with drop cord rosettes, wall sockets, receptacle sockets, etc., provide iron outlet boxes, having special devices and means suitable for the attachment of the said rosette, wall socket, receptacle or other form of socket.

The outlet boxes shall be of the "Krantz" stamped steel type, with porcelain enamel, or of other equally good make, approved by the Architects.

Fixture Supports.

846. Provide and install at each lighting fixture outlet an approved fixture support.

At combination outlets the gas pipe may be utilized for the fixture support.

At electric outlets a special supporting device will be required as follows:

For ceiling and chandelier fixtures the support may consist of an iron pipe of approved diameter, suitably fastened and secured to the framework of the ceiling, or to the floor beams, arches, etc., of the floor above, by a tee or angle affixed to said pipe.

For bracket or side fixture, the support shall consist of a special flanged metal stem attached to the outlet box and having a threaded end of proper length and otherwise suitable for holding the fixture insulating joint.

The flanged portion shall have a broad base, and it shall be securely attached to the outlet box at not less than three points.

Cut-out Cabinets.

847. All cut-out cabinets (including doors and trims) required shall be provided by the Contractor.

Each cut-out cabinet shall consist of a metal box of adequate form and dimensions, with space for a distinct "cut-out compartment" for each separate cut-out panel to be installed thereat, and with a free space of four to six inches forming a connection compartment on all four sides of each cut-out panel. The front portion of the cabinet shall consist of a cabinet frame with a distinct door for each separate cut-out panel installed in the cabinet, said door to be of about the same dimensions as said panel. Each door shall be provided with a Yale lock and all doors opened by one key. The Contractor shall furnish not less than twenty keys.

The cabinet trim shall be such as to properly cover the connection compartment and to extend slightly beyond the outer edge of the cabinet box.

At all cut-out cabinets, at which push-button switches are to be installed, the necessary space shall be provided for the same, of proper form and dimensions to make switch compartments, and the cut-out cabinet box and front shall be designed and built accordingly. Each switch compartment shall have a separate door, provided with approved latch.

The four sides and bottom of the cabinet box may be made of iron or steel, not less than ⅛ inch thick. The cabinet front and doors shall be made of wood, of design and finish to match the woodwork in the building, unless otherwise specified hereinafter, for special locations.

The door must have a lining of slate, not less than 5-16 inch thick.

A free space of ¼ inch shall be left between back of panel and iron box, the panel being mounted on insulators. Each cabinet shall be provided with small storage space for spare fuses.

The Contractor shall place on the inside of each cabinet door, above the directory frame, an approved name plate with name of corresponding cut-out panel and the sizes of feeders or mains connecting therewith.

The Contractor shall also place on the door of each cut-out cabinet an approved directory frame of adequate and approved dimensions, in each case. The dimensions of the directory frame shall be the size of the panel openings, with a marginal space of one inch at the sides, top and bottom.

In the push-button switch compartment, the Contractor shall provide a directory frame for the switches located in said compartment. The switch plates shall be numbered as directed in all cases.

The size of each cut-out cabinet shall be suited and adapted for the cut-out panel or panels, and the switches, wires, connections, etc., to be accommodated and installed therein, as well as the location, space available and other conditions influencing its form and dimensions.

The design of each cut-out cabinet must have the approval of the Architects.

A sketch or drawing giving the form and dimensions of each cut-out cabinet must be furnished to the Architects.

The cabinets shall be of the Macy type.

848. Provide and install the necessary cut-outs at the points indicated.

Cut-outs.

All cut-outs shall be of the panel type, with metal bus-bars, connecting bars, etc., mounted on slate or marble slabs.

All cut-out groups located at the same point shall be placed in the same cabinet, as indicated by the fine dotted line inclosing the corresponding symbols on the feeder sheet.

In some cases two or more cut-out groups may be installed at the same cut-out panel.

Each panel shall be encased when in proper position in the cut-out cabinet by slabs of slate not less than ⅝ inch thick, of width equal to the full depth of the cabinet, and securely fastened to the bottom of the cut-out cabinet by special angle iron supports, or in other approved substantial manner.

The said slate slabs shall be fitted together neatly and closely.

Holes shall be drilled in the said slabs, one for each individual conductor, of suitable size therefor, and located opposite the particular cut-out connector to which it corresponds.

Each cut-out panel shall be made of approved slate, not less than ⅞ inch thick, of proper, adequate form and dimensions for its purpose, with face finished in approved manner, and having mounted thereon the bus-bars, connecting bars and all other cut-out appliances. All lugs must be secured by not less than two bolts.

The design, construction and proportion of all current-carrying parts and contacts shall be based on the same allowance for current density, etc., as specified hereinafter.

All exposed metal parts shall be finished bright, polished and lacquered.

All circuit cut-out connections shall be double-poled.

When the number of branch circuit connections in any cut-out group is odd, an extra connection shall be provided, for reserve, and to make the design symmetrical. If the number is even, provide two extra connections. These spare connections are included in the number called for in the schedule of cut-outs on the feeder sheet.

849. The Contractor must submit detail drawings to the Architects of all cut-out panels, within ten (10) days after being so directed by the Architects; said drawings must be approved before the outside (rough) boxes for the panels are made. A complete set of blue prints of the approved panel drawings shall be filed in the office of the Architects.

All fuse connections shall be made by means of suitable approved inclosed fuses. Each branch circuit shall be controlled by an approved knife switch. The clips and blades of the knife switch must be of sufficient size to prevent the possibility of their getting out of alignment or becoming loose or bent by the operation of the switches.

Each cut-out panel shall be provided with suitable approved means of detecting and locating blown fuses, open circuits, etc. This may consist of a lamp outfit including a receptacle, with suitable approved plug contacts attached to the base. The plug contacts may be so arranged as to make it possible to utilize the outfit for testing each of the branch circuit connections, mains and feeder connections.

Panels shall be of the Macy type.

850. The push-button switches shall be located at the sides of the panel board in a separate compartment, but virtually forming an extension of the cut-out panel itself. The connections of the conductors to the branch circuits shall be made to the outer side of the switch. A schedule frame shall be provided in the push-button compartment, for a push-button schedule.

Schedules.

851. Provide suitable means indicating at each cut-out connection the circuit corresponding thereto, by stamping the circuit number or name letter upon the cut-out bus-bars.

Provide and place in each cut-out box, on the inside of the door, under a glass plate secured to said door, by means of an approved metal frame, suitable schedule (see cut-out cabinets) made out on an approved blank, giving the name of the feeder or main supplying the group or groups of cut-outs in said cut-out cabinet and of every main or branch circuit originating at said cut-out or cut-outs; also the section or portion of the building supplied thereby; also the proper size or capacity of the fuse required therefor.

The Contractor shall also provide and place in each cut-out cabinet, or at other convenient point, if so directed by the Architects, a diagram of the circuit connections.

Fuses

852. Provide all the necessary fuses, and make the necessary connections between circuits at cut-outs.

Provide and furnish an entire duplicate set of fuses for each and every cut-out connection. This duplicate set shall be in addition to the fuses used up to the time of the acceptance of the contract.

All fuses not exceeding 25 amperes shall be of the inclosed type of D. W. or other equally good approved make. Fuses of greater than 25 amperes capacity shall be of the Link type.

Switches.

853. Provide and set at the place designated on the plans, as directed, the various switches required for the circuit work, as indicated on the plans, and in the schedule of switches.

In general, the type and make of switches used and the details of their installation shall be subject to the approval of the Architects.

All switches shall be of first-class make.

Samples shall be submitted for approval.

Knife Switches.

854. Knife switches shall be used for all capacities exceeding 15 amperes, for circuits, cut-out groups, etc., requiring to be controlled at cut-outs, and at switch cabinets or compartments.

All knife switches shall be made of pure rolled copper.

The design, proportions, workmanship and finish shall be, in general, the same as for high-class switchboard work, and shall be approved for each type of knife switch.

The current density shall not exceed the following values:

In all conducting parts	800 amp. per sq. in.
In all stationary contact surfaces	100 amp. per sq. in.
In movable contact surfaces	60 amp. per sq. in.

Fuse blocks and fuses, one for each pole of the knife switch, shall be provided for all switches controlling cut-out groups, and also wherever the same shall be requisite for the protection of the circuits controlled.

The fuses shall, so far as possible, be installed and connected so as to be on the dead side of the circuit when the switch is open.

All knife switches installed in switch compartments or at other places than at cut-out panels, shall be mounted on an approved switch panel of slate, of proper form and dimensions, of same finish as the cut-out panels.

Flush Switches.

855. Flush switches shall be of the double-pole, push-button type, with flush face plate of approved make, material and finish.

Where three or more switches are grouped together in a "gang," a single face plate may be used for not more than three switches. Where more than three switches are located at one point the face plate may be in multiple of three.

Snap Switches.

856. Snap switches shall be of the rotary snap type, of approved make and shall be used as a substitute for push-button switches, only where the said push-button switches are not suitable or desirable, and only with the permission of the Architects, for each case.

The switches shall be the Diamond H. Switch, made by the Hart Manufacturing Company, or an equally good make, as may be approved by the Architects.

Every push-button switch and every snap switch shall be made so that it will readily and unmistakably indicate whether it is "On" or "Off."

Switch Compartments.

857. All switches installed in the switch compartments of cut-out cabinets, or in special switch cabinets, shall be properly mounted and supported in position on special metal frames, of approved design or construction.

The Contractor shall provide a schedule of switches in all switch compartments which shall be mounted in an approved manner, in metal frame glass cover.

Location.

858. The Contractor is specially notified that the locations given or indicated in the specification, or in the plans, for the local switches, are subject to modification. In the case of local switches to be set at or near the doors, the definite locations will depend upon and may be influenced by changes in the location, arrangement or swing of the door. The Contractor shall duly ascertain and note any and all changes.

No local switch shall be installed until the definite location of the same has been determined or approved by the Architects.

Name Plates.

859. Each switch shall have marked upon it (or, in the case of knife switches, upon a suitable plate placed near it) the indications necessary, if any, regarding the circuits or lights controlled by said switch.

In the case of switches of the flush type, the inscription shall be engraved in enamel letters on the face plate. Where several such local switches are to be located at the same point in a gang, they shall have a face plate common to all, on which the inscription appropriate to each switch shall be engraved.

Wires.

860. The insulation for the electric light circuit work shall be of two kinds: It shall be of rubber for all of the circuit work, with the exception of the service feeders extending from the street service to service switchboard. The insulating covering for these service feeders shall be that known as "Underwriters" and shall be as specified more in detail hereinafter.

The insulation of all of the other feeders and mains and all the branch circuit conductors, etc., shall comply with the following requirements:

All wires shall be of refined copper of the highest commercial conductivity, properly tinned and provided with approved insulation which must comply with the mechanical and electrical tests named hereinbelow. The insulation must be elastic, homogeneous, and shall have a tensile strength of not less than 700 pounds per square inch.

Mechanical Tests.

861. Samples of vulcanized rubber compound used on the conductors to be furnished under this contract must be submitted to the following physical tests: Samples must be cut from the conductors with a sharp knife in a careful manner, so as to obtain, if possible, a cross sectional area of not less than 1-32 of a square inch, and approximately 4 inches in length. When the insulation of the conductor is such that it is impossible to obtain the cross section named, the whole insulating wall shall be used. Suitable marks shall be made on the samples, 2 inches apart; the samples shall then be stretched until the marks are 6 inches apart, and one end immediately released. In thirty seconds after the release, the marks must not be over 2½ inches apart, and in one minute after release, the marks must be not more than two and seven-sixteenths (2 7-16) inches apart. The samples must then be stretched until the marks are eight and one-half (8½) inches apart without breaking. The above tests shall be made after the sample has been left exposed (without handling) to a temperature of not less than 50 degrees, nor more than 75 degrees Fahrenheit, for a period of ten minutes.

Electrical Tests.

862. All conductors must comply with the requirements of two electrical tests. One of these tests shall be an electrical pressure test, and the other an insulation resistance test. The former test may be made at the factory of the wire manufacturer, or at some other place designated by the Architects. The pressure test must be made after twenty-four hours' immersion, and either before or after the braid is applied, but after the wire is vulcanized.

The pressure test must be applied for five minutes without break down of the insulation; the potential shall vary with the size of the conductors and the thickness of insulation, as follows:

Size of Wire.	Thickness of Rubber Wall.	A. C. Potential Applied.
No. 14 to No. 8	3/64 inch	2,500
No. 6 to No. 2	1/16 inch	2,500
No. 1 to No. 4/0	5/64 inch	3,000
250,000 to 500,000 c. m.	3/32 inch	4,000
500,000 to 1,000,000 c. m.	7/64 inch	4,500

863. Samples of wire for the insulation resistance test must be furnished to the Architects before the wire is shipped to the building, and in ample time to avoid delay in the erection of the work. Additional samples will be selected by the Architects at random for the building, which must be sent to their office for test. These samples must be not less than 500 feet in length. The samples will be returned to the Contractor after the tests have been made.

The samples will be immersed for a period of not less than four days to insure the braid being saturated with water. The tests will be made at a temperature of not less than 55 nor more than 75 degrees Fahrenheit. Under these conditions the insulation resistance must be not less than the figures given in the following table for the various sizes of conductors:

Size of Wire.	Thickness of Rubber Wall.	Megohms per Mile.
No. 14 to No. 12	3/64 inch	1,200
No. 10 to No. 8	3/64 inch	1,000
No. 6 to No. 2	2/32 inch	750
No. 1 to No. 4/0	5/64 inch	500
250,000 to 500,000 c. m.	3/32 inch	400
550,000 to 1,000,000 c. m.	7/64 inch	300

The wire shall be one of the following makes, or of a make equally good, as may be approved by the Architects: Okonite Wire Company, New York Insulated Wire Company, Habirshaw Wire Company, Standard Underground Cable Company, Bishop Wire Company.

Conductivity and Resistivity.

864. The conductivity of the copper used in the conductors shall be not less than 98 per cent.

All resistance calculations of conductors shall be based upon a temperature of 75 degrees Fahrenheit (23.9 deg. C.).

The resistivity for this conductivity and temperature shall be 10.7 International ohms per circular mil foot (American Institute of Electrical Engineers' Standard).

Conductor Insulation.

865. The thickness of insulation, exclusive of all braid or other protective covering shall be as specified in the National Electric Code.

Samples of Wire.

866. When directed by the Architects, samples of wire of suitable and proper length for making tests specified hereinabove shall be promptly furnished the Architects.

Joints.

867. All wires shall be continuous between the points which they connect. No joint shall be made at any other points than at outlets, junction boxes, etc.

Drop Cord Outfits.

868. The Contractor shall provide and install the drop cord outlets and outfits for the same as shown on the plan, as specified hereinafter.

Each drop cord outfit shall be of approved type and include rosette, with canopy to cover the same, not less than six (6) feet of flexible, reinforced cord, with K. X. insulating compound of the Standard Underground manufacture, or other equally good approved make; Benco aluminum waterproof socket, with shade holder, and a Benjamin steel porcelain enameled reflector of approved size.

Samples of complete drop cord outfit must be submitted for approval.

Receptacles.

869. The Contractor shall provide and install the various ceiling receptacles, wall sockets, etc., shown on the plans or specified hereinafter.

Each wall socket or receptacle shall include a porcelain base socket receptacle with keyed socket.

Samples of receptacles and wall sockets shall be submitted for approval.

Insertion Plugs.

870. Provide, set and connect the insertion plug outfits requisite for the insertion plug outlets indicated on the plans.

Each outfit shall include an insertion plug with fuse and a flexible cord of approved length.

Samples of insertion plug outfits must be submitted to the Architects for approval.

The insertion plugs shall be the Diamond H. or an equally good plug, as may be approved by the Architects.

Quality of Work.

871. All circuit work shall be done in a thoroughly workmanlike manner.

All materials which are not specifically mentioned shall be strictly first class.

Particular care must be taken to avoid crosses, grounds, imperfect connections, contacts, or other electrical defects in the circuit work, which must be clear of all imperfections when submitted for acceptance.

I.—SUPPLY FEEDERS.

Street Service Panel.

872. The electric illuminating company furnishing the electric current for the building will provide and install two service panels at or near the two points indicated on the mezzanine floor plan.

The illuminating company will also provide the switches, bus-bars, feeders, etc., on this panel.

This contract includes lugs and the connections for the supply feeders originating at this panel, and all the work specified hereinafter beyond this point.

Supply Feeders.

873. The Contractor shall run the supply feeders shown on the mezzanine plan and upon the diagram sheet (section of building), originating at the two street service panels and terminating at the service switchboard at mezzanine floor.

These feeders shall consist of conductors having triple-braided insulation of the slow burning weather-proof type (white outside), such as approved by the Fire Underwriters for this section of work.

The conductors shall be of the Standard Underground Company manufacture, or other equally good approved make, and samples must be submitted to the Architects for approval.

The conductors shall follow the most direct and practical route from the street service panel to the service switchboard, as directed at the time of installation.

874. The Contractor shall provide and install suitable approved metal racks or support structures for the porcelain insulators for the exposed conductors.

The said racks shall be made of angle iron or bar iron and must be fastened, constructed and set so as to constitute a firm, solid, secure support of neat design and appearance for properly supporting the insulators and conductors (wires or cables), for which they are intended.

The construction shall be such that any insulator, and the conductor supported thereby, can be removed or replaced without disturbing the rest.

The design of rack and the details of its construction shall be adapted to suit the circumstances and conditions, such as steam pipes, ventilating ducts, etc., to be crossed or spanned, location, space available therefor, number of insulators, number of rows, etc.

The racks shall be provided in sufficient numbers, and set sufficiently close together to afford proper support to the wires or cables, and to reduce the strain on the insulators to a normal safe amount. As a general rule, the insulator supports shall be spaced from 3 to 5 feet apart.

875. At all points where the lines must rise or dip, or turn corners to pass over, under or around girders, arches or other obstructions, or for other reasons, the Contractor shall provide extra supports, properly set so as to make graceful, easy bends, and so as to obviate undue strain on the insulators.

All insulator supports shall be properly guyed in position necessary to make a stable, solid and secure outfit.

The Contractor shall protect or inclose all runs or overhead exposed lines wherever such protection may be necessary to meet the requirements of the inspection authorities, and shall comply with all other legitimate and proper requirements demanded by them.

The Contractor may see designs of insulator racks, supports, etc., at the office of the Architects.

All details of the supporting racks, insulator supports, etc., shall be submitted to and approved by the Architects.

Where the conductors change location, from the ceiling to the side walls, they shall be arranged in a neat, workmanlike and symmetrical manner, as directed.

The insulator racks shall be similar to those used for the feeders in the tunnels of the Columbia University Building.

Connections.

876. The Contractor shall connect the supply feeders to the service panels and to the service switchboard.

At a distance of approximately ten feet from each end, the Contractor shall splice the weatherproof slow burning conductors to rubber insulated conductors by means of Dossert joints in an approved manner. These terminal ends shall be run in iron conduits in a proper manner.

The terminal portions of the feeders must be arranged in a neat, symmetrical manner, as may be directed.

Pull Boxes.

877. Where indicated on the plans the Contractor shall provide suitable approved pull boxes to facilitate the insertion of the feeder conductors. The pull boxes shall be made of iron or steel.

The covers of the pull boxes shall be secured in position by means of screws, and must be so arranged as to be readily and conveniently removed. The form, size and design of the pull boxes shall be approved by the Architects.

The Contractor shall provide suitable porcelain clamp supports in all pull boxes for supporting the feeders passing through the box, so that the feeder conductors will not be unsupported for a distance greater than three feet, so as to afford a neat and orderly arrangement of the conductors passing through the pull boxes. Each feeder passing through the pull boxes shall be tagged or designated in some other approved manner.

II.—MAIN LIGHTING FEEDERS.

Main Lighting Feeders.

878. The contract includes the main lighting feeders, starting with the connections of the same at the service switchboard on mezzanine floor and the conduits and conductors from this switchboard as far as the main switchboard at fourth floor.

The exact arrangement of the terminals of these feeders at the main switchboard end shall be as per detailed plan to be furnished the Contractor later.

The Contractor shall tape and otherwise protect the terminals of the feeders and the conduits at the main switchboard end so as to protect them from injury and to prevent material and debris getting in the conduits.

The main lighting feeders shall consist of rubber insulated conductors, run in iron conduits.

These feeders shall drop from the service switchboard at mezzanine floor and run under the mezzanine floor to the main rising shaft, substantially as indicated on the plan of the mezzanine floor.

The feeders shall rise up this rising shaft to the floor of the fourth story. At this point the feeders shall be run underneath the fourth floor to the main switchboard.

Pull Boxes.

879. The Contractor shall provide the pull boxes indicated on the plans for the main lighting feeders.

These pull boxes shall be located at the exact points to be designated at the time of installation.

These pull boxes shall comply with the requirements given hereinabove for the pull boxes for the service feeders.

III.—ELEVATOR SUPPLY AND TIE LINE FEEDERS.

Elevator Supply Feeders.

880. The Contractor shall provide, install and connect the elevator supply feeders, originating at the service switchboard on mezzanine floor and terminating at the two elevator switchboards on the twenty-fifth floor.

These feeders shall drop from the service switchboard to the floor of the mezzanine floor and run underneath this floor to the rising shaft, substantially as indicated on the plan; thence they shall rise as far as the floor of the fourth story, where they shall be run under the floor and be divided into two sections, one section rising in the south elevator feeder shaft and the other section rising in the north elevator feeder shaft.

At the twenty-fifth story they shall be run as directed to the elevator switchboards.

The elevator supply feeders shall consist of rubber insulated conductors, run in iron conduits throughout.

Pull Boxes.

881. The Contractor shall provide and install a pull box, indicated on the plans, for the elevator supply feeders.

This pull box shall comply in all respects with the requirements for the pull boxes for the supply feeders.

Cable Support Boxes.

882. The Contractor shall provide and install in each rising point, approximately every 35 feet, a suitable approved iron cabinet, similar to the cabinet specified for the cut-out panels, to serve as a cable support box.

These cabinets must be supported by angle iron construction from the floor beams and columns, in a substantial and approved manner.

The conduits shall be secured to the support boxes in a proper approved manner, and the conduit ends shall be provided with insulating bushings and lock nuts. The conductors shall be supported by special porcelain clamp supports. The cable support boxes shall be of the "Tower Cable Support Box" type, such as made by the H. Krantz Manufacturing Company, or other equally good and approved make.

Connections.

883. The Contractor shall make all necessary connections for the elevator supply feeders at their points of origin at the service switchboard on mazzanine floor; and also at their points of termination at the two elevator switchboards on the twenty-fifth floor.

Tie Line Feeders.

884. The contract includes running a tie line feeder, connecting elevator switchboard No. 1 and elevator switchboard No. 2, on the twenty-fifth floor.

This feeder shall consist of rubber insulated conductors, run in iron conduit, placed under the floor of the twenty-fifth story, or as may be directed at the time of installation.

IV.—MOTOR WIRING.

General Description of Motor Wiring.

885. The contract includes all labor and materials required for making the circuit connections to and as far as the motors, controllers, etc., of all the motors.

In the case of the elevator motors, the contract shall include the elevator feeders from the elevator switchboards to the elevator control panel, in each case substantially as indicated on the plan.

These elevator feeders shall terminate at the exact point to be designated later, and sufficient length of cable shall be left to connect them in a proper manner to the elevator control panels.

The connections of the elevator control panels and all wiring between these control panels and the elevator motors will be provided under a separate contract.

In the case of the sidewalk lifts the Contractor shall run the feeders to the control panels, and the connections between the control panels and the motors shall be provided under this contract.

The Contractor shall provide approved lugs for the terminals of each motor feeder or circuit, and shall connect these lugs at the ends of the motor feeder conductors.

Definite Location of Motor Controllers.

886. The Contractor will be held responsible for the exact and definite location of the motor controllers and motors, so far as the wiring is concerned. He shall obtain the locations of the motors and controllers in each case before installing the circuit work.

887. The following is a list of the motor feeders and circuits:

No. of Feeder.	Location of Motor.	Serves for Elevator No.	Horse Power Capacity.
1	Twenty-fifth floor	1	35
2	Twenty-fifth floor	2	35
3	Twenty-fifth floor	3	35
4	Twenty-fifth floor	4	35
5	Twenty-fifth floor	5	35
6	Twenty-fifth floor	6	35
7	Twenty-fifth floor	7	35
8	Twenty-fifth floor	8	35
9	Twenty-fifth floor	9	35
10	Twenty-fifth floor	10	35
11	Twenty-fifth floor	11	35
12	Twenty-fifth floor	12	35
13	Twenty-fifth floor	13	35
14	Twenty-fifth floor	14	35
15	Twenty-fifth floor	15	35
16	Twenty-fifth floor	16	35
17	Twenty-fifth floor	17	35
18	Twenty-fifth floor	18	35
19	Twenty-fifth floor	19	35
20	Twenty-fifth floor	20	35
21	Twenty-fifth floor	21	35
22	Twenty-fifth floor	22	35
23	Twenty-fifth floor	23	35
24	Twenty-fifth floor	24	35
25	Twenty-fifth floor	25	35
26	Twenty-fifth floor	26	35
27	Twenty-fifth floor	27	35
28	Twenty-fifth floor	28	35
29	Twenty-fifth floor	29	35
30	Twenty-fifth floor	30	35
31	Twenty-fifth floor	31	35
32	Twenty-fifth floor	32	35
33	Fourth floor	33	35
34	Basement	Lift	5
35	Basement	Lift	5
36	Basement	Air compressors	2
37	Basement	Air compressors	2
38	Mezzanine floor	Machinery space blower	5
39	Mezzanine floor	Entrance disc fan	4
40	Mezzanine floor	Mezzanine and machinery space exhaust	16
41	Mezzanine floor	Entrance disc fan	4
42	Mezzanine floor	Mezzanine blower	5
43	Twenty-sixth floor	Toilet exhaust	7
44	Twenty-sixth floor	Toilet exhaust	10
45	Basement	Sump pump	4

V.—ELECTRIC LIGHT CIRCUIT WORK.

General Disposition.

888. The electric light circuit work includes lighting feeders, cut-out cabinets and panels, branch circuit work, outlets, switches, drop cords, insertion plugs, receptacles, etc., for a portion of the basement, mezzanine and first floors.

The feeders, mains and cut-out panels are shown on the Floor Plans and on the Diagram.

The branch circuit wiring and the location of the outlets and switches at the basement and mezzanine floor are not shown on the plans, but the Contractor is to allow in his proposal for this work, as specified hereinafter, to be installed as per detail plans to be issued at the time of installation.

The circuit work included in this contract for the first floor is indicated on the First Floor Plan.

The circuit work for the subway portion at the basement floor and for the platforms, exits, etc., on mezzanine floor is not included in this contract.

Basement.

889. The Wiring Plan of the basement does not show the arrangement, location, etc., of the lights on this floor, for the reason that these locations are subject to such modifications as to make it impossible to give the locations definitely, until the time of installation. The location of the panel boards and the course of the feeders and mains, etc., are, however, given on this plan.

The following is an approximate estimate of the work required in the basement not shown on the plans:

10,000 feet of branch circuit work.
150 drop cord outlet boxes and complete outfits for the same.
150 insertion plugs and outfits for the same.
218 ceiling fixture outlet boxes.
110 local switches and outlet boxes for the same.
110 (keyed) receptacle outfits and outlet boxes for the same.

Mezzanine Floor.

890. The Wiring Plan of the mezzanine floor does not show the arrangement, location, etc., of the lights on this floor for the same reason as in the case of the basement.

As soon as definite arrangement of the various ducts, pipes, etc., has been determined, a complete plan will be issued showing the electric circuit work, location of outlets, etc.

The following is an approximate estimate of the work required in the mezzanine not shown on the plans:

8,000 feet of branch circuit work.
25 drop cord outfits.
100 ceiling fixture outlet boxes.
25 receptacle outfits and boxes for the same.
25 insertion plugs and outlet boxes for the same.
18 extension outlets.
25 local switches and outlet boxes for the same.

891. The Contractor shall also provide and install a Frink switchboard reflector outfit for lighting the service switchboard at mezzanine floor. The estimated length of the reflector is fifty feet; the lamp sockets shall be placed about twelve inches apart. The reflector shall be of approved design, material and finish.

First Floor.

892. The contract does not include any wiring to the outside arc lamps, located on the curb outside of the building; nor does it include any fixtures, arc lamps or arc lamp-posts for the same.

The contract, however, includes all the wiring for the electric lighting fixtures in the concourse, court and in the Chambers street arcade.

This wiring will be derived from the house system of feeders and panels.

The circuit work for these outlets shall be run concealed throughout.

The circuit work for outside of the building shall consist of lead, sheathed, rubber insulated conductors.

Special precautions shall be taken to make the outside portions of the circuit work and the outlets weatherproof and water-tight.

Junction boxes shall be provided at the points where the circuits run from the inside to the outside of the building.

The exact location and arrangement of the outlets on the first floor are subject to modification and the Contractor must obtain detailed information from the Architects before installing these outlets.

VI.—ELECTRIC SWITCHBOARDS.

893. This specification comprises:
(A) Switchboard, Framework and Panels.
(B) Switchboard Appliances.
(C) Connections.

(A)—Switchboard, Framework and Panels.

Scope of Contract.

894. The contract includes providing, installing and connecting one main lighting and power switchboard, and two (2) elevator switchboards.

The street service boards for the building are not included in the contract, but will be provided and installed by the company furnishing the light and power service to the building.

General Description.

895. The three (3) switchboards shall be substantially of the form and dimensions shown on sheet No. 306.

The panels of all switchboards shall be of marble, mounted on and supported by an angle iron framework, specified hereinafter.

The exact dimensions of each switchboard must be adapted to the particular apparatus used for its equipment.

It is desired and intended to retain, as far as possible and practicable, the dimensions, proportions and relations of the various panels shown or indicated on the plan, or as specified in the specifications.

The arrangement of appliances and the bus-bar connections on these switchboards is clearly shown in diagram on the plan.

The service switchboard is shown on the plan in two sections. One section shows lighting panels and a total load watt meter panel. The second section shows power panels.

The lighting section shall be divided into ten (10) panels, three of which will serve for lighting service tie panels, where three lighting services may be tied together or operated separately. The other seven panels will serve for the various lighting feeders, where, by means of three-throw switches, individual lighting feeders, or groups of feeders may be connected with any one of the three services.

The power section shall be subdivided into eight (8) panels, three of which will serve for power service tie panels, where three power services may be tied together or operated separately.

The other five (5) panels are arranged in similar manner to those on lighting section of switchboard.

Each of the two (2) elevator switchboards shall be subdivided into five (5) panels, one of which will serve for a transfer and tie-in-panel, two (2) for total load circuit breaker and watt meter panels, and two (2) for elevator feeder panels.

Angle Iron Frames.

896. The Contractor shall provide and erect for each switchboard a suitable approved support frame for holding properly in position the various slabs of marble constituting the said switchboard.

Each of the said frames shall be built of angle iron and shall be (in form and size) suited and adapted for the specific design, arrangement and dimensions of face panels that may be approved and adopted later.

Each frame shall include a sufficient number of upright beams, each of sufficient length to reach from the floor to the top of the board.

The uprights shall be located back of the panels, at the ends of said panels, and also at the middle thereof, or elsewhere, wherever needed, as may be determined and decided later.

The uprights shall be framed together by other (angle) beams, horizontally or otherwise set between them, at the proper heights and places as required to constitute and produce a strong and properly braced framework, affording proper means of support and fastening for the several individual slabs of which the panels of the switchboard are to be made up.

Each frame and switchboard shall be supported in position by additional "struts" or feet, placed in sufficient number, between the upright beams, to distribute the total weights properly.

The lower ends of the uprights and struts shall be fitted with "foot-plates," which shall be let into the concrete flooring at a proper depth and securely fastened in an approved manner to iron floor beams, as directed.

Each frame shall be braced at the top by two or more angle iron braces of proper form and dimensions. Suitable angle iron supports shall be provided for the various fuse panels, to be mounted in rear of each of the three (3) switchboards.

The frames shall all be constructed from exact approved working drawings, giving all its essential and important features and details of construction.

Panels.

897. Provide and install in position on each of the hereinabove specified support frames a suitable approved switchboard of Gray Tennessee or Blue Vermont Marble, made of slabs, of proper, adequate approved form and dimensions.

The marble shall be free from metallic "veins" or "streaks" and of the best insulating quality procurable.

The particular marble used must be such as approved by the Architects, to whom samples must be submitted.

The thickness of marble for all panels shall be not less than two and one-half (2½) inches.

The size of marble slabs required for all panels is shown on the Plan.

Fuse Panels.

898. The Contractor shall provide a set of approved dark marble (Blue Vermont) fuse panels in the rear of each switchboard. These panels are not indicated on the plan, but shall be constructed as directed later.

These panels shall be of approved size and thickness, and shall be mounted on approved angle iron frames.

Grill Work.

899. The Contractor shall inclose the ends and entire front and rear of each switchboard by approved metal grills. The inclosure shall extend from the floor to the ceiling. He shall also place suitable grillwork in the spaces between the bottom of switchboards and the floor and the top of switchboards and the ceiling.

The design and finish shall be such as to blend and harmonize properly with the metal work of the switchboard proper, in each case, and shall be as directed by the Architects.

Enclosure Door.

900. The Contractor shall install as part of the inclosure, for both front and back of each switchboard, two (2) screen doors. The doors shall be hinged at points directed later. They shall be of same material as the grillwork and form part of same.

The said grills or screens are intended to supplement and complete the switchboard frame or casing.

(B)—Appliances.

Scope of Contract.

901. The Contractor shall provide all the appliances requisite for each of the three (3) switchboard outfits, and he shall provide all materials and labor, and he shall do all work requisite and necessary to install and connect the same properly, on the various panels of the switchboard.

The contract includes a complete and perfect outfit of appliances in each case, using the best materials and workmanship, and finish of the highest class.

Panel Outfits.

902. The general arrangement and the principal details of the various panels of the three (3) switchboards are indicated on Sheet No. 306.

Service Switchboard.

903. The equipment for the lighting panels of the service switchboard includes:
(a) Six (6) 4,000 amp. illuminated dial ampere meters.
(b) One (1) 300 volt illuminated dial volt meter.
(c) Three (3) sets of approved 4-point volt meter plug receptacles for each of the three service panels.
(d) Three (3) 4,000 amp. T. P. T. T. laminated type switches.
(e) Three (3) 4,000 amp. T. P. S. T. knife switches.
(f) Fourteen (14) 600 amp. T. P. T. T. knife switches.
(g) Fourteen (14) 300 amp. T. P. S. T. knife switches.
(h) Thirty-one (31) sets of three-wire fuse blocks, mounted on approved fuse panels in rear of switchboard.
(i) Twenty-six (26) sets of terminal lugs for lighting feeders.
(j) Three (3) sets of terminal lugs for main service feeders.
(k) Complete equipment of bus-bars, connecting bars, connecting studs, etc.

Watt Meter Panel.

904. The watt meter panel of the service switchboard includes:
(l) Six (6) 3,000 amp. Sangamo type watt meters.
(m) Three (3) 1,500 amp. Sangamo type watt meters.

Power Section.

905. The equipment for the power section of the service switchboard includes:
(n) Three (3) 2,000 amp. illuminated dial ampere meters.
(o) One (1) 300 volt illuminated dial volt meter.
(p) One (1) approved 4-point volt meter plug receptacle for each of the three service panels.
(q) Three (3) 2,000 amp. D. P. T. T. laminated type switches.
(r) Three (3) 2,000 amp. D. P. S. T. knife switches.
(s) Five (5) 1,000 amp. D. P. T. T. knife switches.
(t) Ten (10) 200 amp. D. P. S. T. knife switches.
(u) Ten (10) 100 amp. D. P. S. T. knife switches.
(v) Twenty-eight (28) sets of two-wire fuse blocks, mounted on approved fuse panels in rear of switchboard.
(w) Twenty-four (24) sets of terminal lugs for power feeders.
(x) Three (3) sets of terminal lugs for main service feeders.
(y) Complete equipment of bus-bars, connecting bars, connecting studs, etc.

Elevator Switchboard Appliances.

906. The equipment for each of the two (2) elevator switchboards includes:
(a) Three (3) 1,000 amp. D. P. D. T. knife switches.
(b) Eighteen (18) 200 amp. D. P. S. T. knife switches.
(c) Two (2) 1,000 amp. double pole, double coil, laminated type circuit breakers.
(d) Two (2) 1,000 amp. Sangamo recording watt meters.
(e) Twenty-three (23) sets of two-wire fuse blocks, mounted on approved fuse panels, in rear of switchboard.
(f) Eighteen (18) sets of terminal lugs for elevator feeders.
(g) One (1) set of terminal lugs for tie line feeder.
(h) Complete equipment of bus-bars, connecting bars, connecting studs, etc.

Knife Switches.

907. The Contractor shall provide and install knife switches of the various kinds and capacities for the equipment of these switchboards.

(a) The knife switches shall be made only from an exact and detailed drawing, duly submitted to and approved by the Architects.

(b) All knife switches shall be mounted directly upon the marble slabs of the panels.

(c) The fuse holders of fuse connecting terminals (1) for each pole, for all knife switches, shall be mounted only on the fuse boards located at the back of the panels.

(d) The contact jaws must be split or sub-divided in such manner that in any one individual leaf or strip of the switch jaw there shall not be more than two and a half (2½) square inches of contact surface.

(e) The material for all contact making or current conducting portions, in blades, jaws, jaw blades, studs, etc., shall be pure (cold) rolled or drawn copper, having not less than 95 per cent. conductivity. No cast alloy of any kind will be allowed. All joints between jaw blades, jaw blocks and studs shall be made in the most approved and workmanlike manner.

No jaw bases or clip bases shall be in one piece (copper forging), with the connecting studs serving for a connection conveying electrical current to or from the contact clips; they shall be properly and accurately milled for the jaw blades, the joints of which shall make a hard or driving fit to be properly "sweated" and (copper) pinned before the final finish.

(f) The contact surfaces at all the moving contacts, such as switch blades and the switch jaws, shall be calculated on an allowance of not over fifty (50) amperes per square inch (7.8 amp. per square centimeter) of contact.

The contact surfaces at all stationary contacts, such as the (unsoldered) connections of studs with bus-bars and feeder terminal lugs shall be calculated on an allowance of one hundred (100) amperes per square inch (15.5 amperes per square centimeter), same as for bus-bar connections. The contact surface of all screw-threaded parts of studs, etc., shall be considered equal to the "projected" area or surface of the contact, or the surface of an unthreaded joint of same length and diameter.

The sectional area of all current conducting parts of studs, lugs, jaws, blades, etc., shall be calculated on an allowance of at least 95 per cent. conductivity, of not over 750 amperes per square inch (116.3 amperes per square centimeter).

(g) The rise of temperature in any portion or any portion of any switch must not exceed 20 degrees Centigrade (36 degrees Fahrenheit), after said switch shall have carried its full current load continuously for two hours.

The three-throw knife switches shall be of special construction, and of the Krantz or other equally good make, approved by the Architects.

Laminated Type Three-throw Switches.

908. The large type of three-throw switches shown on power and lighting section of main switchboard, shall be of special design and construction. They shall be provided with laminated type of contacts, similar to those used on high class circuit breakers.

The sectional area for all current parts or surface contacts shall be based on those called for on circuit breakers.

These switches shall be of the Krantz or other equally good make, as may be approved by the Architects.

Circuit Breakers.

909. The Contractor shall provide, install and connect the four (4) electro-magnetic circuit breakers required for the two elevator switchboards. Each circuit breaker shall be of the double pole, double coil, double arm laminated contact type. The laminated contract surfaces shall be calculated on an allowance of not over 250 amperes per square inch of surface contact.

The sectional area of all current conducting parts shall be calculated on an allowance (based on the use of copper) of at least 95 per cent. conductivity, of not over 750 amperes per square inch.

The circuit breaker shall be of the I. T. E., Westinghouse, or other equally good make, approved by the Architects.

The material and workmanship shall be first class.

Integrating Watt Meters.

910. Provide and install the eleven (11) recording (integrating) watt meters required for three switchboards.

The said meters shall be of the Sangamo type, of design suited for central station switchboards, of the best quality and finish with case having frame of copper with gun metal finish, and having beveled plate glass front.

The equipment of watt meters shall be as follows:

Six (6) 3,000 amp. 115-120 volt watt meters.

Three (3) 1,500 amp. 230-250 volt watt meters.

Four (4) 1,000 amp. 230-250 volt watt meters.

Indicating Instruments.

911. The Contractor shall furnish and install on the switchboards the indicating instruments required therefor.

The indicating instruments shall be of the Weston or other equally good approved kind or make.

All instruments shall be of the illuminated "dial" pattern.

At Main Lighting and Power Switchboard.

The indicating instruments shall have ranges, as follows:

Two (2) 0-300-volt volt meters.

Six (6) 0-4,000-ampere ampere meters.

Three (3) 0-2,000-ampere ampere meters.

Finish of Instruments.

912. All exposed metal parts of appliances at the front or on the face of each switchboard, which do not convey electrical current (including all instruments), shall be carefully planished and made perfectly smooth, and shall be finished with a special approved "gun metal" finish.

The finish of name plates is specified hereinafter.

Samples of said finish must be duly submitted to the Architects.

Installing.

913. The Contractor shall install all of the hereinabove specified appliances, and he shall properly align all working parts of switches and other parts, having hinged contacts, and he shall properly adjust and put in proper working condition all instruments.

In general, he shall furnish all labor and materials and do all work requisite to put the appliances in complete and perfect operative condition.

(C)—Connections.

General Requirements.

914. The Contractor shall supply all materials and labor, and do all work requisite and necessary for providing and installing the bus-bar work, and for properly making all the connections therewith, and also all the electrical connections for and with the various panel appliances specified hereinbefore, on each of the three switchboards, and in general for all electrical connections requisite both at the front and at the back of each switchboard.

Bus-bar Work.

915. The Contractor shall furnish and install the bus-bars and connecting bars requisite and necessary for all the switchboard connections.

The design and essential features of the bus-bars and connecting bars are shown or indicated on the plan (No. 306).

The Contractor shall provide all bars, strips, lugs, clamps, cables, wires, etc., and all other materials necessary for the bus-bar work, and the connections, using the most improved and perfect of each kind, and he shall furnish all labor necessary to put the whole in complete and perfect order.

The materials used for the bus-bars shall be either rolled or drawn copper, of conductivity not less than 95 per cent.

The sectional area of all conducting parts shall be sufficient to keep the current density at any part below 800 amperes per square inch.

The current density of moving and stationary contacts shall be as specified hereinbefore.

All joints and connections shall be made firmly and securely, so as to obviate all derangements or undue heating under maximum normal currents.

Due and ample precautions shall be taken in design and arrangement of contacts, joints, and conductivity in the connecting parts.

A working drawing of the bus-bar work, giving full details, including dimensions of each bus-bar, connecting bar or strip, must be submitted to and approved by the Architects, before the said bus-bar work is executed.

The bus-bar connections are shown diagramatically on the plan.

Connecting Bars.

916. The connections for and between the feeder switches, fuse holders, feeder bus-bars, etc., shall be made from drawn or rolled copper bars or strips.

The arrangement and disposition of the said connecting bars is clearly shown upon and can be readily understood from Sheet No. 306.

Connecting Lugs.

917. The Contractor shall provide a suitable connecting lug for each and every pole of every knife switch or other appliance requiring such lug for feeder, or lead and connections at each of the switchboards.

For feeder terminals, the connecting lugs shall be in all cases, of the straight or bent type, as directed.

The material, proportion, contact surface, conductivity, etc., shall be in compliance with the requirements prescribed for switches and bus-bar work. The opening for receiving the conductor shall be made of the proper size for said conductor in each case.

Connections.

918. All connections for and between all appliances intended and serving for carrying large currents shall, in every case, be made by means of special hard drawn or forged copper bars, of proper length and form, of sectional area and contact surface calculated on the same basis as specified for the knife switches and the bus-bar work

Small Wiring.

919. The Contractor shall make all the necessary connections for the vairous instruments, etc., by means of approved double-braided, rubber insulated conductors, fastened by means of small straps, to the back of each switchboard. The work shall be done in a neat, workmanlike manner, as directed and approved by the Architects. No dangling or loose ends or connections or wires of any kind will be allowed at the back of the board. The connections must be compactly and symmetrically arranged.

Protection.

920. The Contractor shall properly fasten and secure all conductors used in the connections, whether said conductors consist of bars, cables or wires. No dangling or loose wires or connections of any kind will be allowed at the back of the board.

All wires, cables, bars, etc., must be compactly and symmertically arranged.

Painting.

921. The Contractor shall properly paint and finish all angle iron fastenings or supports of each of the switchboards, and all such other parts of frames, connections, wires, etc., or such appliances as may be required.

Name Plates.

922. The Contractor shall provide for and set near each switch, instrument, and appliance on each switchboard, a suitable engraved name plate to designate the function and purpose of the switch, instrument or appliance.

There shall be a duplicate set of all name plates for all the feeders, one set placed on the face panel or near the corresponding switch, and one set placed on the fuse board near the fuse blocks corresponding to said feeder.

All name plates for the fuse boards shall be of hard rubber.

All other name plates shall be of copper, and shall have special finish to harmonize with the finish of appliances and instruments on said panels.

The letters and figures on the copper name plates shall, in every case, be engraved in plain block letters, and shall be enameled in black.

The name plates for the feeder switches must have the name and number of the feeder, and of the floor corresponding thereto.

In general, the design and details of name plates, the inscription or legend to be inscribed on each, must be submitted to and approved by the Architects.

Fuses.

923. The Contractor shall provide three (3) complete sets of fuses for all service and feeder circuits, for all three (3) switchboards.

The fuses of capacities over 1,000 amperes shall be of copper. The fuses of capacities under 1,000 amperes shall be of the open link type, with copper terminals. The terminal pieces of all fuses shall be extra heavy, and shall have ample surface contact.

All fuses must be rated and tested under the conditions at which they will operate. The Contractor shall replace all defective fuses.

The fuses shall be delivered at the time the board is erected at the building.

Special Information.

924. The Architects will furnish the Contractor, at the time the switchboards are installed and the connections are being made, any special information, instructions or diagrams necessary and requisite for the proper guidance of the Contractor, in making the various connections for or with the outfit of appliances hereinabove specified.

TABLE OF CONTENTS OF THE SPECIFICATIONS.

	Paragraph Numbers.
List of Drawings	2
General Conditions	3-49
Mason Work	50-111
Refilling	54
Broken Stone, Cinders, etc.	56-60
Cements	61-69
Mortars	70-72
Concrete	73-87
Granolithic Work	88-90
Brickwork	91-111
Wood Block Pavement	112-126
Fireproofing Work	127-153
Reinforced Concrete Work	127-140
Hollow Tile Work	141-150
Cohesive Tile Construction	151-153
Waterproofing	154-161
Tile Roofs	162-171
Cut Granite Work	172-218
Quality, Dressing, Models, etc.	172-197
Setting, etc.	198-205
Where Used	206-216
Bluestone	217-218
Ornamental Terra-Cotta Work	219-223
Iron Furring	224-227
Lathing	228-229
Plastering	230-238
Materials, etc.	230-233
Work to be Done	234
Portland Cement Work	234
Plaster Work	235-236
Artificial Stone	237
Patching	238
Structural Steel and Iron Work	239-264
Miscellaneous Iron Work	265-317
Vault Lights	318-323
Interior Stone and Slate Work	324-336
Tiling	337-338
Kalameined Work	339-353
Rough Carpentry	354-369
Hardware	370-387
Sheet Metal Work	388-410
Painting	411-416
Sidewalk Lifts	417-428
Steam Boilers, Steam Appurtenances, Heating and Ventilating Apparatus, etc.	429-605
Boilers	431
Sectional Type	432-439
Semi-Horizontal Type	440-449
Requirements for Either Type of Boiler	450-550
Forced Blast Apparatus	551-561
Ventilating and Indirect Heating Apparatus	562-605
Plumbing Work	606-825
Drainage System	683-703
Water Supply System	704-760
Cooled Drinking Water System	761-792
Gas System	793-808
Plumbing Fixtures	809-818
List of Fixtures	819-825
Electric Light and Power Equipment	826-924
Supply Feeders	872-877
Main Lighting Feeders	878-879
Elevator Supply and Tile Line Feeders	880-884
Motor Wiring	885-887
Electric Light Circuit Work	888-892
Electric Switchboards	893-924
Switchboard Framework and Panels	894-900
Appliances	901-913
Connections	914-924
No.	

DEPARTMENT OF BRIDGES, THE CITY OF NEW YORK.

CONTRACT AND SPECIFICATIONS FOR THE COMPLETION OF THE SUBSTRUCTURE, THE ERECTION OF THE SUPERSTRUCTURE AND THE INSTALLATION OF PLANT, EXCLUSIVE OF INTERIOR FINISH, OF THE MUNICIPAL BUILDING.

.....Contractor.

Dated....., 1909.

Assigned to.....

Approved as to form:

.....Acting Corporation Counsel.

Dated....., 1909.

Examined and found correct:

.....Contract Clerk.

Entered in the Comptroller's office:

....., 1909.

.....First Assistant Bookkeeper.

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 670 of the Laws of 1907, the Board of Estimate and Apportionment hereby approves of the revised plans and

specifications for the completion of the substructure, erection of the superstructure and the installation of plant, exclusive of the interior finish, of the new Municipal Building on the site bounded by Park row, Centre and Duane streets, Borough of Manhattan, under the jurisdiction of the Commissioner of Bridges.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Presidents of the Boroughs of The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—14.

Negative—The President of the Borough of Brooklyn—2.

The following matter not upon the calendar for this day was considered by unanimous consent:

The Comptroller presented the following communication, recommending an issue of $2,307,983.40 Corporate Stock for the purpose of providing means to pay the awards and the interest thereon in the matter of acquiring title to certain lands, etc., in the Sixth Ward, Borough of Manhattan, selected by the Commissioner of Bridges for the construction of an extension of the westerly or Manhattan terminal of the New York and Brooklyn Bridge:

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE,
November 26, 1909.

To the Board of Estimate and Apportionment:

GENTLEMEN—I am advised by the Corporation Counsel that the report of the Commissioners, in the matter of acquiring title to certain land, etc., in the Sixth Ward, Borough of Manhattan, duly selected by the Commissioner of Bridges, approved by the Board of Estimate and Apportionment pursuant to chapter 712, Laws of 1901, for the construction of an extension of the westerly or Manhattan terminal of the New York and Brooklyn Bridge, was partly confirmed by an order of the Supreme Court, dated November 9, 1909, and entered in the office of the Clerk of the County of New York on November 10, 1909.

The title to the land and buildings taken in this proceeding, the awards for which were confirmed by the above order, became vested in The City of New York as to various parcel numbers on December 24, 1906, pursuant to the provisions of a resolution of the Board of Estimate and Apportionment adopted November 23, 1906, and as to other parcel numbers on October 8, 1907, pursuant to the provisions of a resolution of the Board of Estimate and Apportionment, adopted June 28, 1907:

The amount of the awards confirmed in this report, the title to which property vested in The City of New York on December 24, 1906, is	$1,838,951 44
Interest thereon from December 24, 1906, to January 24, 1910	340,206 01
The amount of the awards confirmed in this report, the title to which property vested in The City of New York on October 8, 1907, is	113,237 00
Interest thereon from October 8, 1907, to January 24, 1910	15,588 95
Total	$2,307,983 40

To provide means for the payment of this expense, Corporate Stock should be issued, pursuant to the provisions of chapter 712 of the Laws of 1901, as amended by chapter 90 of the Laws of 1907.

A resolution for that purpose is herewith submitted.

Respectfully,

H. A. METZ, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 712 of the Laws of 1901, as amended by chapter 90 of the Laws of 1907, the Comptroller be and hereby is authorized to issue Corporate Stock of The City of New York, in the manner provided by subdivision 8 of section 169 of the Greater New York Charter, to the amount of two million three hundred and seven thousand nine hundred and eighty-three dollars and forty cents ($2,307,983.40), for the purpose of providing means to pay the awards and the interest thereon, in the matter of acquiring title to certain lands, etc., in the Sixth Ward, Borough of Manhattan, duly selected by the Commissioner of Bridges, approved by the Board of Estimate and Apportionment pursuant to chapter 712, Laws of 1901, for the construction of an extension of the westerly or Manhattan terminal of the New York and Brooklyn Bridge, as confirmed by an order of the Supreme Court, dated November 9, 1909.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen, the Presidents of the Boroughs of Brooklyn, The Bronx, Queens and Richmond and the Acting President of the Borough of Manhattan—16.

On motion of the President of the Board of Aldermen, the Board adjourned, to meet at the next regular meeting to be held December 3, 1909, at 10.30 o'clock a. m.

JOSEPH HAAG, Secretary.

DEPARTMENT OF CORRECTION.

REPORT OF TRANSACTIONS, NOVEMBER 29 TO DECEMBER 5, 1909.

Communications Received.

From the Comptroller—Receipts for security deposits, accompanying the following proposals: Wire screens for windows, City Prison, Raymond street, Brooklyn; new steamboat; drying room, new machinery, etc., in laundry, at Penitentiary, Blackwells Island. On file with General Bookkeeper and Auditor.

From the Comptroller—Returning proposal of A. Winternitz, for heating system at Second District Prison, for substitution of sureties. Substitution approved.

From the Comptroller—Returning proposal of Albert Winternitz, for new heating system at Second District Prison, with approval of the sureties. Award to be made and contracts drawn.

From the Comptroller—Stating that the Comptroller's certificate was indorsed on contract of Albert Winternitz, for new Croton pressure system at Harts Island, on November 24, 1909, on November 27, 1909, and same is now a valid contract. Contractor and Department Inspector notified that working days will begin December 6, 1909. Certificate filed with contract.

From the Comptroller (Division of Inspection)—Asking for a corrected bill, in case of the delivery of Garlock packing, Inspector of Finance Department claiming a shortage in weight of packages. Transmitting in reply: (1) Report from General Storekeeper, stating that packages were as per bill, when received at storehouse. (2) Report of Warden of Harts Island, that, in the absence of the Engineer, the Inspector of the Finance Department examined the wrong packages.

From Tenement House Department—Commissioner asks for a transfer of $3,500 from the appropriation granted to the Department of Correction for the year 1909, to the Tenement House Department, whose appropriation for the following purposes is insufficient: Rental of Telephone, General Supplies, Contingencies. Consent given to transfer the sum of $3,000 from appropriation No. 335, General Supplies, Department of Correction, to Tenement House Department, as requested.

From Heads of Institutions—Reporting that meats, fish, bread, milk, etc., for week ending November 27, 1909, agreed with specifications of the contracts. On file.

From Heads of Institutions—Reports, census, labor, hospital cases, punishments, etc., for week ending November 27, 1909. On file.

From City Prison, Manhattan—Report of fines received during week ending November 27, 1909:

From Court of Special Sessions	$125 00
From City Magistrates' Court	42 00
Total	$167 00

On file.

From City Prison, Manhattan—Report of fines received during the month of November, 1909, and disposal of same:

From Court of Special Sessions		$190 00
To City Chamberlain	$180 00	
To Board of Excise	10 00	
Total		$190 00
From City Magistrates' Court		$97 00
To City Chamberlain	$94 00	
To Board of Health	3 00	
Total		$97 00

Total received and transmitted, $287. On file.

From District Prisons—Report of fines received during week ending November 27, 1909: From City Magistrates' Courts, $395. On file.

From District Prisons—Report of fines received during month of November, 1909, and disposal of same:

From City Magistrates' Courts		$2,162 00
To City Chamberlain	$2,137 00	
To Board of Health	25 00	
Total		$2,162 00

On file.

From Penitentiary, Blackwells Island—List of prisoners received at Penitentiary during week ending November 27, 1909: Men, 65; women, 3. On file.

From Workhouse, Blackwells Island—Warden reports main dock at Workhouse in very bad condition. This matter was reported in August last, but nothing has been done. Department of Docks and Ferries asked to have repairs made as soon as possible.

From Workhouse, Blackwells Island—Reporting that fines paid at Workhouse during week ending November 27, 1909, amounted to $40. On file.

From Griscom-Spencer Company, Harts Island—Asking extension of time on work of repairing ice plant at Harts Island, as work will be done a section at a time, so that only a portion of plant will be unfit for use at once. Time for completion of repairs extended to December 31, as requested.

From City Cemetery, Harts Island—List of interments, made during week ending November 27, 1909. On file.

From City Prison, Brooklyn—Report of fines received during week ending November 27, 1909:

From Court of Special Sessions	$50 00
From City Magistrates' Courts	28 00
Total	$78 00

On file.

Communications Transmitted.

To the Mayor—Transmitting statements as requested, to aid the Mayor in the preparation of his annual message.

To the Comptroller—Transmitting the following proposals, for action on the sureties, lowest bids received: Of Joseph Balobon, for diamond mesh wire screens for City Prison, Brooklyn; of Waters-Colver Company, for new steamboat; of James Curran Manufacturing Company, for new drying room, machinery, etc., in laundry, at Penitentiary, Blackwells Island. Contractors notified.

To Department of Water Supply, Gas and Electricity—Connection to be made between Croton supply and new storage tank on Harts Island, Department of Water Supply is therefore asked to have 6-inch connection made in main Croton line at northwest corner of laundry building. The Department of Correction will do all necessary excavating, and will build manhole for stop valves.

To State Commissioner of Labor—Transmitting list of contracts awarded by the Department of Correction, since date of last report to office of the State Commissioner.

To Heads of Institutions—It shall be the duty of the Warden, or in his absence, the Head Keeper, to make a daily inspection of the prisoners and their cells, to see that:

First—The prisoners are clean, properly clothed, and in fit condition to perform the work allotted to them; and if any of them are found to be hospital cases, they should be sent there promptly.

Second—The cells are clean, and that the beds and bedding are also clean.

Third—During this inspection prisoners who may have requests to make can notify the Warden, who will arrange for an interview later, and Keepers must not attempt in any way to interfere with a prisoner who wishes to speak to the Warden.

The Doctor should accompany the Warden on his inspection of the prisoners.

(Signed) JOHN J. BARRY, Commissioner.

To Heads of Institutions—Hereafter, it will be the duty of the Warden, or his representative, the Head Keeper, to designate the cell or location each prisoner is to occupy during the term of such prisoner, and on no account must a prisoner be changed from one cell to another without the express authority of the Warden, or his representative, the Head Keeper.

This order goes into effect at once, and should be posted on bulletin board.

(Signed) JOHN J. BARRY, Commissioner.

Contract Awarded.

Ordered, That the proposal of November 23, 1909, of Albert Winternitz, No. 237 East Seventy-second street, for installing new heating system in Second District Prison (Jefferson Market), for $5,200; bond, $2,600; surety, United Surety Company, be accepted, the same being the lowest bid, the surety having been approved by the Comptroller, etc.

Salary Restored.

Of Thomas Daly, Keeper, Branch Workhouse, Rikers Island, from $1,050 to $1,200 per annum, to date from December 1, 1909.

Resigned.

Michael McCarthy, Orderly at Branch Workhouse, Harts Island, at $240 per annum, to take effect November 30, 1909.

JOHN J. BARRY, Commissioner.

COMMISSIONERS OF THE SINKING FUND OF THE CITY OF NEW YORK.

Proceedings of the Commissioners of the Sinking Fund, at a Meeting Held in Room 16, City Hall, at 11 o'clock a. m., on Wednesday, December 15, 1909.

Present—George B. McClellan, Mayor; Herman A. Metz, Comptroller; James J. Martin, Chamberlain, and Patrick F. McGowan, President, Board of Aldermen.

The minutes of the meeting held December 2, 1909, were approved as printed.

The Chair called for a hearing the matter of the request of the Commissioner of Docks, that the Commissioners of the Sinking Fund adopt a resolution vesting title in The City of New York to the bulkhead between Piers (old) 52 and (old) 53, East River, Borough of Manhattan.

March 10, 1909.

Hon. GEORGE B. MCCLELLAN, *Mayor and Chairman of the Commissioners of the Sinking Fund:*

SIR—On June 30, 1908, a resolution was adopted by the Commissioners of the Sinking Fund approving and consenting to the institution of condemnation proceedings for the acquisition of title to the bulkhead between Piers (old) 52 and (old) 53, East River, Borough of Manhattan, described as follows:

All the wharfage rights, terms, easements, emoluments and privileges not now owned by The City of New York appurtenant to all that certain bulkhead, wharf or deck property situate on the southerly side of South street, in the Borough of Manhattan, in The City of New York, beginning at a point in the present bulkhead between Gouverneur slip and Jackson street, where the westerly side of Pier (old) 53, East River, intersects said bulkhead, said point of intersection being perpendicularly opposite or southerly of a point in the northerly line of South street distant 31.01 feet from the westerly line of Jackson street measured along the said northerly line of South street and running thence from said point of intersection westerly along the present bulkhead between Pier (old) 52, East River, and Pier (old) 53, East River, 573.08 feet westerly to the easterly side of Pier (old) 52, East River.

On November 20, 1908, a resolution was adopted by the Board of Estimate and Apportionment authorizing the institution of the condemnation proceedings for the acquisition of this property. The Corporation Counsel was accordingly requested to begin the proceedings for the acquisition of the property, and in a communication dated February 23, 1909, he advises this Department that the oaths of the Commissioners of Estimate appointed by the Supreme Court in the proceedings for the acquisition of the property were filed in the office of the Clerk of the County of New York on the 19th day of February, 1909.

Pursuant to the provisions of section 823-E of the Charter (chapter 372 of the Laws of 1907), I respectfully request that a resolution be adopted by the Commissioners of the Sinking Fund vesting in The City of New York the title to the property in question.

Yours respectfully,
ALLEN N. SPOONER, Commissioner of Docks.

The demand for additional wharfage at this section of the water-front being very great, I would advise that the vesting of title to the above described property be directed at as early a date as is practicable, pursuant to chapter 372 of the Laws of 1907.

Respectfully,
H. A. METZ, Comptroller.

To the Commissioners of the Sinking Fund:

GENTLEMEN—I hereby certify that the following is a true copy of the notice of hearing to be given by the Commissioners of the Sinking Fund on Wednesday, December 15, 1909, as published in the CITY RECORD on November 29, 30, December 1, 2, 3 and 4, the six consecutive days, as required by law.

N. TAYLOR PHILLIPS, Secretary, Commissioners of the Sinking Fund.

Notice is hereby given that a public hearing will be had before the Commissioners of the Sinking Fund of The City of New York, in Room 16, City Hall, Borough of Manhattan, City of New York, on Wednesday, December 15, 1909, at 11 o'clock a. m., relative to a request of the Commissioner of Docks, that the Commissioners of the Sinking Fund adopt a resolution vesting title in The City of New York to the bulkhead between Piers (old) 52 and (old) 53, East River, Borough of Manhattan, described as follows:

"All the wharfage rights, terms, easements, emoluments and privileges not now owned by The City of New York appurtenant to all that certain bulkhead, wharf or dock property situate on the southerly side of South street, in the Borough of Manhattan, in The City of New York, beginning at a point in the present bulkhead between Gouverneur slip and Jackson street where the westerly side of Pier (old) 53, East River, intersects said bulkhead, said point of intersection being perpendicularly opposite or southerly of a point in the northerly line of South street, distant 31.01 feet from the westerly line of Jackson street, measured along the said northerly line of South street, and running thence from said point of intersection westerly along the present bulkhead between Pier (old) 52, East River, and Pier (old) 53, East River, 573.08 feet westerly to the easterly side of Pier (old) 52, East River."

On November 20, 1908, a resolution was adopted by the Board of Estimate and Apportionment authorizing the institution of condemnation proceedings for the acquisition of this property. The Corporation Counsel was accordingly requested to begin the proceedings for the acquisition of the property, and in a communication dated February 23, 1909, advises the Commissioner of Docks that the oaths of the Commissioners of Estimate appointed by the Supreme Court in the proceedings for the acquisition of the property were filed in the office of the Clerk of the County of New York on the 19th day of February, 1909.

The report of the Comptroller states that the demand for additional wharfage at this section of the water-front being very great, he advises that the vesting of title to the above described property be directed at as early a date as practicable.

GEO. B. McCLELLAN, Chairman, Commissioners of the Sinking Fund.

No one appeared for or against the proposition and the Chair declared the hearing closed.

The following resolution was then offered for adoption:

Whereas, A public hearing having been given and all the requirements of chapter 372 of the Laws of 1907 having been complied with, it is

Resolved, That the Commissioners of the Sinking Fund, pursuant to the provisions of section 823-E of the Charter (chapter 372 of the Laws of 1907), hereby direct that the title to the bulkhead between Piers (old) 52 and (old) 53, East River, Borough of Manhattan, described as follows, shall vest in The City of New York on December 16, 1909:

"All the wharfage rights, terms, easements, emoluments and privileges not now owned by The City of New York appurtenant to all that certain bulkhead, wharf or dock property situate on the southerly side of South street, in the Borough of Manhattan in The City of New York, beginning at a point in the present bulkhead between Gouverneur slip and Jackson street, where the westerly side of Pier (old) 53, East River, intersects said bulkhead, said point of intersection being perpendicularly opposite or southerly of a point in the northerly line of South street distant 31.01 feet from the westerly line of Jackson street, measured along the said northerly line of South street and running thence from said point of intersection westerly along the present bulkhead between Pier (old) 52, East River, and Pier (old) 53, East River, 573.08 feet westerly to the easterly side of Pier (old) 52, East River."

Which resolution was unanimously adopted.

The following communication was received from the Commissioner of Docks recommending a lease of two strips of land on the Harlem River, in the Borough of The Bronx, to Church E. Gates & Co.:

October 5, 1909.

Hon. GEORGE B. MCCLELLAN, *Mayor, and Chairman of the Commissioners of the Sinking Fund:*

SIR—After due consideration, I am of the opinion that the interests of the City would be best served by the granting of a lease to Church E. Gates & Co. of the following described property on the Harlem River, in the Borough of The Bronx:

All that parcel of land under water situate, lying and being on the Harlem River, in the Borough of The Bronx, City of New York, beginning at a point in the westerly line of exterior street, formerly River avenue, where the same is intersected by the southerly line of land, formerly land under water, granted to George Briggs July 28, 1868, and running thence westerly along said southerly line of last mentioned grant 387 feet, more or less, to the pierhead line of the Harlem River established October 18, 1890, by the Secretary of War; thence southerly along said pierhead line 4.50 feet, more or less, to a point where the same is intersected by the northerly line of the land, formerly land under water, granted June 21, 1870, to Elizabeth M. Stephens; thence easterly along said northerly line of last mentioned grant 384 feet, more or less, to a point where said line would be intersected by the westerly line of exterior street, formerly River avenue; thence northerly along the westerly line of exterior street, formerly River avenue, 17.8 feet, more or less, to the point or place of beginning, containing in all, be the same more or less, 4,100 square feet.

Also all that other parcel of land under water situate, lying and being in the Borough of The Bronx, in The City of New York, beginning at the southeast corner of exterior street, formerly River avenue, and East One Hundred and Forty-sixth street, and running thence southerly along the easterly line of exterior street, formerly River avenue, a distance of 21.7 feet, more or less, to the northerly boundary or line of the land, formerly land under water, granted June 21, 1870, to Elizabeth M. Stephens; thence along the said northerly line of last mentioned grant 69.2 feet, more or less, to its intersection with the southerly line of East One Hundred and Forty-sixth street; thence westerly along the easterly line of East One Hundred and Forty-sixth street to the point or place of beginning, and containing in all, be the same more or less, 774 square feet.

The lease to be for a term of ten years from the first day of the month next succeeding the day upon which said lease shall be approved by the Commissioners of the Sinking Fund, at a rental of $200 per annum, with privilege of renewal for four additional terms of ten years each, the rental for each renewal term to be at an advance of 10 per cent. over the rental for the preceding term.

The remaining terms and conditions of the lease to be similar to those contained in leases of land under water now in use by this Department.

The property which it is proposed to lease is shown on the plan attached hereto and lies between the land under water granted to George Briggs July 28, 1868, and the land under water granted to Elizabeth M. Stephens June 21, 1870. It appears that through some error in the survey of the surveyor, at the time of the issuance of the grants, these two plots were not included. In 1888 a grant was made by the State to The City of New York of certain ungranted areas in the Borough of The Bronx, which included the plots omitted in the grants to Briggs and Stephens. Owing to the fact that the City is prohibited by the Charter from alienating the land under water belonging to it, it is unable to sell this property to Church E. Gates & Co., the present holders, in order to straighten out its property lines. Efforts have been made to correct the error by legislation, and a few years ago an act was passed by both houses of the Legislature correcting the error in the boundary lines, but it was vetoed by the Governor on the ground, I am informed, that it was special legislation.

Under this condition of affairs, there appears to be but one method of procedure, and that is by a lease, now recommended; the lease to contain the provision that in case the lessee shall by an act of the Legislature or otherwise succeed in correcting the error in the boundary lines, that then the lessee shall have the option of canceling the lease.

The area comprised in the two plots is 4,874 square feet, making the rental over 4 cents per square foot. This is about the rental paid by the Third Avenue Railroad Company for the land under water in the vicinity of Two Hundred and Sixteenth street, Harlem River, lease for which was sold at public auction on October 14, 1896, being the last sale at public auction of property in that vicinity. The estimated value of the two plots combined is $4,000, and, taking into consideration the cost of improving the land under water, it is my opinion that the rental recommended—$200 per annum—is a fair compensation to be paid to the City, in view of all the circumstances in the case.

Yours respectfully,
ALLEN N. SPOONER, Commissioner.

In connection therewith the Comptroller presented the following report:

November 15, 1909.

To the Honorable the Commissioners of the Sinking Fund:

GENTLEMEN—Hon. Allen N. Spooner, Commissioner, Department of Docks and Ferries, in communication dated October 5, 1909, submits for the approval of the Commissioners of the Sinking Fund a lease to Church E. Gates & Co. of two parcels of land at One Hundred and Forty-sixth street and Harlem River, Borough of The Bronx, comprising a total area of 4,874 square feet, at $200 per annum.

It is reported to me that a City lot of 2,500 square feet in this neighborhood is worth $10,000, or $400 per square foot. It would appear that a fair rental for this property should be five (5) per cent. of this price, or twenty (20) cents per square foot, or $974.80 for the two parcels.

As bearing on the rental value of land in this vicinity, I would call attention to the fact that for a 30-foot strip of land across Church E. Gates & Co.'s lumber yard at One Hundred and Thirty-eighth street, Harlem River, Borough of The Bronx, the City pays 134½ cents per square foot per annum. Water-front property at One Hundred and Thirty-eighth street is somewhat more valuable than similar property eight blocks to the north, and in the case of the strip at One Hundred and Thirty-eighth street there is some interference with the company's lumber business, although the company still uses the leased strip to a certain extent for the storage of lumber and the trestle erected by the City is high enough to permit trucks to pass freely under it from one side of the yard to the other.

Making due allowance for the above facts, it would seem that using the rental of the One Hundred and Thirty-eighth street strip as a basis, the parcels of land at One Hundred and Forty-sixth street must be worth at least four times the price here recommended for them.

Incidentally, I would state that Church E. Gates & Co. occupy, without permit or compensation to the City, about 42,500 square feet (17 City lots) of the area of River avenue and One Hundred and Forty-sixth street immediately adjoining the two plots which they wish to lease.

I would recommend that this matter be returned to the Commissioner of Docks and Ferries for his reconsideration.

Respectfully,
H. A. METZ, Comptroller.

Which was referred back to the Commissioner of Docks, with a copy of the report for his reconsideration.

The following was received from the Board of Education relative to a renewal of the lease of premises at Nos. 67 and 69 Broadway, Flushing, Borough of Queens:

To the Board of Education:

The Committee on Buildings respectfully reports that the lease of the premises at Nos. 67 and 69 Broadway, Flushing, Borough of Queens, occupied by the Deputy Superintendent of School Buildings for that Borough, will expire May 1, 1910, and that the Superintendent of School Buildings states that further occupancy of said premises will be necessary.

The following resolution is submitted for adoption:

Resolved, That the Commissioners of the Sinking Fund be and they are hereby requested, subject to financial ability, to approve of and consent to the execution by the

Board of Education of a renewal of the lease to the City of the second floor of the premises Nos. 67 and 69 Broadway, Flushing, Borough of Queens, occupied by the Deputy Superintendent of School Buildings for said Borough, for a period of three years from May 1, 1910, with the privilege of renewal for an additional period of two years, at an annual rental of $1,500, and on the same terms and conditions as contained in the existing lease. Lessor, James V. Graham, No. 60 Liberty street, New York City.

A true copy of report and resolution adopted by the Board of Education on November 24, 1909.

A. EMERSON PALMER, Secretary, Board of Education.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 6, 1909.

The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of the lease of the second floor of premises Nos. 67 and 69 Broadway, Flushing, Borough of Queens, for use of the Deputy Superintendent of School Buildings of said Borough, for a period of three years from May 1, 1910, with the privilege of renewal for an additional period of two years, at an annual rental of $1,500, payable quarterly, and upon the same terms and conditions as contained in the existing lease. Lessor, James V. Graham.

Respectfully submitted for approval,

MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.

Approved:

H. A. METZ, Comptroller.

Resolved, That the Commissioners of the Sinking Fund hereby approve of and consent to the execution, by the Board of Education, of a renewal of the lease to the City of the second floor of premises Nos. 67 and 69 Broadway, Flushing, Borough of Queens, for a period of three years from May 1, 1910, with the privilege of renewal for an additional period of two years, at an annual rental of fifteen hundred dollars ($1,500), payable quarterly, and upon the same terms and conditions as contained in the existing lease; lessor, James V. Graham; the Commissioners of the Sinking Fund deeming the said rent fair and reasonable and that it would be for the interests of the City that such lease be made.

The report was accepted and the resolution unanimously adopted.

The following communication was received from the Department of Water Supply, Gas and Electricity, relative to a lease of premises at No. 212 West Thirty-fifth street, Borough of Manhattan:

NEW YORK, November 15, 1909.

N. TAYLOR PHILLIPS, Esq., *Secretary, Sinking Fund Commission,* No. 280 Broadway, City:

DEAR SIR—On October 20, 1909, you advised this Department that the owner of premises No. 437 West Thirty-seventh street, the ground floor of which building is occupied by Repair Station No. 3 of this Department, had served notice that he would not agree to a renewal of the lease which expires at the end of this year. The Department has selected the ground floor of No. 212 West Thirty-fifth street as quarters for this company; in addition, it is requested that the three rooms above the first floor be leased as quarters for the night gang assigned to this company.

The night gang, or emergency crew, as they are termed, respond to all breaks and to second alarm fires, after the close of the regular working day, and in their present quarters there are no accommodations for the emergency gang, which have to remain on duty, for the most part, during the entire night, their services only being required, as explained, during a large fire or a serious break in the water main.

The ground floor will accommodate the horses and wagons and the heavy materials, and the three upper floors will be laid out as suitable quarters for the men who remain at night. Cases will be installed in which the small pipes and fittings will be kept. The ground floor and three rooms on the floor above can be leased at an annual rental of thirteen hundred and fifty dollars ($1,350), payable quarterly, the City agreeing to furnish light, heat and janitor service. Agents for the property are Manheimer Brothers, No. 204 West Thirty-fourth street, City. I would recommend the rental of these quarters for a period of one year from January 1, 1910, with the privilege of renewal.

I enclose a sketch of the ground floor and the three rooms above, and would call your attention to the necessity of early action in this matter in order to provide time for the Department to make what alterations are necessary for our convenience.

Respectfully,

M. F. LOUGHMAN, Deputy Commissioner.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 3, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Mr. M. F. Loughman, Deputy Commissioner of the Department of Water Supply, Gas and Electricity, in a communication to the Sinking Fund Commission under date of November 15, 1909, states that the Repair Station No. 3 of his Department, located at No. 437 West Thirty-seventh street, must give up its present quarters at the end of this year, as the owner refuses to renew the lease beyond that date, and he asks that a lease be secured of the ground floor of No. 212 West Thirty-fifth street, Borough of Manhattan, with three rooms above the stable in the rear thereof, for a period of one year from January 1, 1910, with a privilege of renewal for an additional year upon the same terms and conditions, at a rental of $1,350 a year, payable quarterly, the City to furnish heat, light and janitor service; agents, Manheimer Brothers, No. 204 West Thirty-fourth street, Manhattan.

This is a store or storage room in a three-story brick building, about 17 feet 6 inches by 95 feet, with a stable in the rear and three small rooms above the stable, where the members of the emergency crew may find quarters at night, there being no provision for them on the floor below. The rent asked, $1,350 a year, is full value, but as this building is in a neighborhood near the Pennsylvania Station, where real estate values and rentals have been going up by leaps and bounds within the last few years, the rental asked, in my opinion, on a flat lease for a year, with the privilege of renewal for a second year upon the same terms and conditions, is not excessive.

I would therefore respectfully recommend that the Commissioners of the Sinking Fund authorize a lease of the ground floor of the premises No. 212 West Thirty-fifth street, with the three rooms over the stable in the rear, for the Repair Station No. 3 of the Department of Water Supply, Gas and Electricity, for a period of one year from January 1, 1910, with a privilege of renewal for an additional year upon the same terms and conditions, at an annual rental of $1,350, payable quarterly, the City to furnish heat, light and janitor service; lessor, Elizabeth Hanley; Manheimer Brothers, agents, No. 204 West Thirty-fourth street, Manhattan.

Respectfully submitted,

MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.

Approved:

H. A. METZ, Comptroller.

Resolved, That the Corporation Counsel be and is hereby requested to prepare a lease to the City from Elizabeth Hanley, of the ground floor, with three rooms over the stable in the rear, of the premises No. 212 West Thirty-fifth street, Borough of Manhattan, for use of the Department of Water Supply, Gas and Electricity, for a period of one year from January 1, 1910, with the privilege of renewal for an additional year upon the same terms and conditions, at an annual rental of thirteen hundred and fifty dollars ($1,350), payable quarterly; the City to furnish heat, light and janitor service; and the Commissioners of the Sinking Fund deeming the said rent fair and reasonable, and that it would be for the interests of the City that such lease be made, the Comptroller be and is hereby authorized and directed to execute the same, when prepared and approved by the Corporation Counsel, as provided by sections 149 and 217 of the Greater New York Charter.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolutions relative to renewals of leases to the City, of premises occupied by the Fire Department, as follows:

1. Dock at the foot of Main street, Borough of Brooklyn;
2. Dock at the foot of North Eighth street, Borough of Brooklyn;
3. Premises at the Boulevard and Bayview avenue, Rockaway Beach, Borough of Queens.

December 6, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Honorable Patrick A. Whitney, Deputy and Acting Commissioner of the Fire Department of The City of New York, in a communication dated November 27, 1909, recommends that the leases of certain premises in the several Boroughs of the City, at present occupied by said Department, be renewed. The conditions of the several renewals asked for being the same as heretofore, I would respectfully recommend as follows:

1. The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of the lease of dock at the foot of Main street, Borough of Brooklyn, for use of the Fire Department, for a period of one year from December 31, 1909, at an annual rental of $1,000, payable quarterly, and upon the same terms and conditions as contained in the existing lease. Lessor, Union Ferry Company.

2. The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of the lease of dock at the foot of North Eighth street, Borough of Brooklyn, for use of the Fire Department, for a period of one year from December 31, 1909, at an annual rental of $1,000, payable quarterly, and upon the same terms and conditions as contained in the existing lease. Lessors, Havemeyer & Elder.

3. The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of the lease of the premises at Boulevard and Bay View avenue, Rockaway Beach, Borough of Queens, for use of the Fire Department, for a period of one year, from January 8, 1910, at an annual rental of $600, payable quarterly, and upon the same terms and conditions as contained in the existing lease. Lessor, Frank Baldwin.

Respectfully submitted for approval,

MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.

Approved:

H. A. METZ, Comptroller.

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City, of the dock at the foot of Main street, Borough of Brooklyn, for use of the Fire Department, for a period of one year from December 31, 1909, at an annual rental of one thousand dollars ($1,000), payable quarterly, and upon the same terms and conditions as contained in the existing lease: lessor, the Union Ferry Company, the Commissioners of the Sinking Fund deeming the said rent fair and reasonable and that it would be for the interests of the City that such lease be made.

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City, of the dock at the foot of North Eighth street, Borough of Brooklyn, for use of the Fire Department, for a period of one year, from December 31, 1909, at an annual rental of one thousand dollars ($1,000), payable quarterly, and upon the same terms and conditions as contained in the existing lease; lessors, Havemeyer & Elder; the Commissioners of the Sinking Fund deeming the said rent fair and reasonable and that it would be for the interests of the City that such lease be made.

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City, of premises at Boulevard and Bayview avenue, Rockaway Beach, Borough of Queens, for use of the Fire Department, for a period of one year, from January 8, 1910, at an annual rental of six hundred dollars ($600), payable quarterly, and upon the same terms and conditions as contained in the existing lease; lessor, Frank Baldwin; the Commissioners of the Sinking Fund deeming the said rent fair and reasonable and that it would be for the interests of the City that such lease be made.

The report was accepted and the resolutions severally unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to a lease of Room 236, in the Stewart Building, No. 280 Broadway, Borough of Manhattan, for use of the Department of Finance:

December 9, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Mr. Charles S. Hervey, Supervising Statistician and Examiner of the Department of Finance, in a communication under date of December 7, 1909, states that owing to the overcrowded condition of the rooms occupied by the Bureau of Municipal Statistics, additional space will be required for the use of the Stenographers employed in said Bureau. He suggests the leasing of Room 236 on the fifth floor of the Stewart Building, which contains an area of 435 square feet, and can be rented for $675 per annum.

The rent being reasonable and just, and in order that the lease of said room may expire coterminous with the offices leased by the City in said building, I would respectfully recommend that the Commissioners of the Sinking Fund adopt a resolution authorizing the Corporation Counsel to prepare a lease of Room 236, on the fifth floor of the Stewart Building, No. 280 Broadway, Borough of Manhattan, for use of the Department of Finance, for a period from December 7, 1909, to May 1, 1910, at an annual rental of $675, payable quarterly, the lessor to furnish light, heat, elevator and janitor service. Lessor, Felix Isman (Inc.).

Respectfully submitted for approval,

MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.

Approved:

H. A. METZ, Comptroller.

Resolved, That the Corporation Counsel be and is hereby requested to prepare a lease to the City from Felix Isman (Inc,), of Room 236, on the fifth floor of the Stewart Building, No. 280 Broadway, Borough of Manhattan, for use of the Department of Finance, for a period from December 7, 1909, to May 1, 1910, at a rental at the rate of six hundred and seventy-five dollars ($675) per annum, payable quarterly; the lessor to furnish light, heat, elevator and janitor service; and the Commissioners of the Sinking Fund deeming the said rent fair and reasonable, and that it would be for the interests of the City that such lease be made, the Comptroller be and is hereby authorized and directed to execute the same when prepared and approved by the Corporation Counsel, as provided by sections 149 and 217 of the Greater New York Charter.

The report was accepted and the resolution unanimously adopted.

The following was received from the Sheriff of Richmond County relative to a renewal of the lease to the City of a plot of ground adjoining County Court House and County Jail, in the Borough of Richmond:

RICHMOND, N. Y., November 23, 1909.

To the Commissioners of the Sinking Fund of The City of New York:

GENTLEMEN—The lease of certain lands situate at Richmond, in the Borough of Richmond, by and between James W. Stephens and Stephen D. Stephens, as executors of the last will and testament of Stephen D. Stephens, late of the County of Richmond, deceased, and The City of New York, bearing date the 21st day of March, 1907, at the yearly rental of twenty-five dollars ($25), will expire on the 31st day of December, 1909.

This parcel of land is adjacent to the Court House and County Jail, and has for a number of years been leased for the use of the Sheriff of the County.

I would recommend that the lease be renewed for a period of three years, as I regard it for the beneficial interest of the county that this be done.

Very respectfully,
JOS. J. BARTH, Sheriff of Richmond County.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 8, 1909.

The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of the lease of a plot of land on the southerly side of Centre street, bounded northerly by Centre street, easterly by land of one Siemer and southerly and westerly by land belonging to The City of New York, on which is erected the Court House and County Jail, Borough of Richmond, for use of the Sheriff of said county, for a period of three years from January 1, 1910, at an annual rental of $25, payable semi-annually, otherwise upon the same terms and conditions as contained in the existing lease. Lessor, Stephen D. Stephens, executor.

Respectfully submitted for approval,
MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.
Approved:
H. A. METZ, Comptroller.

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City of the plot of land on the southerly side of Centre street, bounded northerly by Centre street, easterly by land of one Siemer and southerly and westerly by land belonging to The City of New York, on which is erected the Court House and County Jail, Borough of Richmond, for use of the Sheriff of said county, for a period of three years from January 1, 1910, at an annual rental of twenty-five dollars ($25), payable semi-annually, otherwise upon the same terms and conditions as contained in the existing lease; lessor, Stephen D. Stephens; the Commissioners of the Sinking Fund deeming the said rent fair and reasonable, and that it would be for the interests of the City that such lease be made.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to an amendment to resolution authorizing a lease of premises at the corner of Atlantic avenue and Clinton street, in the Borough of Brooklyn, for use of the Court of Special Sessions:

December 4, 1909.

To the Commissioners of the Sinking Fund, New York City:

GENTLEMEN—The Commissioners of the Sinking Fund, at a meeting held April 14, 1908, adopted a resolution authorizing the Corporation Counsel to prepare a lease to the City from the Brooklyn Atheneum Company, of the second and third floors of the building owned by them on the northeast corner of Atlantic avenue and Clinton street, Borough of Brooklyn, for the use of the Court of Special Sessions, for a period of five years, at an annual rental of $7,000, payable quarterly, the lease to contain a clause of a privilege of renewal for the further period of five years, upon the same terms and conditions on giving three months' notice in writing, the owners to make certain alterations, renovations and repairs, in accordance with the plans and specifications of Messrs. Helmle and Huberty, the City to provide heat, light and janitor service during the term of the lease, and the date of the lease to be the time at which a certificate of the completion of the alterations and repairs was transmitted by Judge Wilkins to the Finance Department.

Subsequent thereto, and on June 30, 1908, the said lease was amended by inserting the name of the new president of the Brooklyn Atheneum Company, so that the name of the lessor should read, the Brooklyn Atheneum and Reading Room, D. Irving Lee, treasurer; W. B. Veder, secretary, and was also amended by inserting the words: "The City to make all inside repairs during the term of the lease, the owner to make all outside repairs during the term of the lease," the same not having been clearly defined in the original lease.

There has been quite a little trouble in regard to the janitor service furnished, and the matter has been taken up by the Justices and by the owners of the building, and it is believed that better results would be obtained by the owners of the building furnishing the janitor service, which of course means the cleaning of the building, and the engineer to run the heating plant.

Hon. Robert J. Wilkins writes that he is of the opinion that the cum of $2,500 would be a reasonable amount to be allowed for janitor service for the Court of Special Sessions, which would of course include the engineer to run the heating plant, the cleaners for the building, and the janitor. The matter was taken up by the owners of the building, and in a communication, dated November 16, 1909, the owners of the building have stated that they propose to furnish the necessary service for the sum of $2,500, and consent to the amending of the lease to that effect, providing the Commissioners of the Sinking Fund so consent. If the City is to furnish a janitor, is to furnish an engineer to run the heating plant, and in addition to furnish all the help which is necessary to keep the building clean, to do this would cost more than the sum mentioned in the communication; and if by so doing, the service is as it is now, subject to the complaint of inadequate service, then it would be cheaper for the City to accept the offer of the lessor; and I so recommend the lease to be amended by adding the words "The lessor to furnish janitor service," and by a further amendment, the rent to be $9,500 per annum instead of $7,000, to begin December 1, 1909, otherwise the lease to be the same as is now, in full force and effect.

Respectfully submitted,
H. A. METZ, Comptroller.

Resolved, That the resolution adopted by this Board at meeting held April 14, 1908, and as amended by resolution adopted June 30, 1908, authorizing a lease to the City, of premises at the northeast corner of Atlantic avenue and Clinton street, Borough of Brooklyn, for use of the Court of Special Sessions, for a period of five years, at an annual rental of seven thousand dollars ($7,000), payable quarterly, with the privilege of renewal for further a period of five years upon the same terms and conditions, the City to provide light, heat and janitor service during the term of the lease—be and is hereby amended by striking out the words "janitor service" and by adding the words, "the lessor to furnish janitor service and the rental to be nine thousand five hundred dollars ($9,500) per annum from and after December 1, 1909."

The report was accepted and the resolution unanimously adopted.

The following was received from the Armory Board relative to a renewal of the lease to the City, of the premises known as the Bedford Riding Academy, corner of Bedford and Atlantic avenues, in the Borough of Brooklyn, for use of the Second Company Signal Corps, N. G., N. Y.:

NEW YORK, December 1, 1909.

To the Honorable, the Commissioners of the Sinking Fund:

GENTLEMEN—At a meeting of the Armory Board held November 30, 1909, the following was adopted:

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City from George H. Willers, for accommodations for mounted drills of the Second Company Signal Corps, Borough of Brooklyn, in the premises known as the Bedford Riding Academy, situated at the corner of Bedford and Atlantic avenues, Borough of Brooklyn, for a period of one year from November 1, 1909, at an annual rental of $1,000, payable quarterly, upon the same terms and conditions contained in the lease expiring November 1, 1909; and that the Commissioners of the Sinking Fund be requested to concur therein.

Respectfully,
HARRIE DAVIS, Secretary.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 10, 1909.

The rent being the same as heretofore paid, I would respectfully recommend that the Commissioners of the Sinking Fund authorize a renewal of lease of the premises known as the Bedford Riding Academy, situated on the northeast corner of Bedford and Atlantic avenues, in the Borough of Brooklyn, for use of the Second Company Signal Corps, N. G., N. Y., for a period of one year, from November 1, 1909, at an annual rental of $1,000, payable quarterly, and upon the same terms and conditions as contained in the existing lease. Lessor, George H. Willers.

Respectfully submitted for approval,
MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.
Approved:
H. A. METZ, Comptroller.

Resolved, That the Comptroller be and is hereby authorized and directed to execute a renewal of the lease to the City, of the premises known as the Bedford Riding Academy, situated on the northeasterly corner of Bedford and Atlantic avenues, in the Borough of Brooklyn, for the use of the Second Company Signal Corps, N. G., N. Y., for a period of one year from November 1, 1909, at an annual rental of one thousand dollars ($1,000), payable quarterly and upon the same terms and conditions as contained in the existing lease; lessor, George H. Willers; the Commissioners of the Sinking Fund deeming the said rent fair and reasonable and that it would be for the interests of the City that such lease be made.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to bid of the Griffin Roofing Company for Item No. 1, improvement and repairs to the roof of the Fourteenth Regiment armory, in the Borough of Brooklyn, accepted by the Armory Board:

December 3, 1909.

To the Honorable the Commissioners of the Sinking Fund:

GENTLEMEN—At a meeting of the Armory Board held November 30, 1909, the following was adopted:

"Resolved, That the bid of the Griffin Roofing Company, No. 506 West Twenty-sixth street, Borough of Manhattan, for Item No. 1, improvements and repairs to the roof of the Fourteenth Regiment armory, Borough of Brooklyn, in the sum of $2,121, be accepted, being the lowest formal bid received for said work; that the same be submitted to the Commissioners of the Sinking Fund for their concurrence and to the Comptroller for his approval of the sureties, and when so approved the Chairman of the Armory Board be authorized to execute the contract on behalf of the Board; that all the other bids be rejected and the Comptroller requested to return the deposits received from the unsuccessful bidders."

I would report: On November 30, 1909, the Armory Board received and opened the following bids for improvements and repairs to the roof of the Fourteenth Regiment armory, Borough of Brooklyn:

Neptune B. Smyth	$2,840 00
William Horne Company	2,740 00
Robert Jacob	3,750 00
Griffin Roofing Company	2,121 00

The bid, $2,121, of the Griffin Roofing Company for this work being the lowest formal bid received, I think the Commissioners of the Sinking Fund may properly concur in the action of the Armory Board.

Respectfully,
H. A. METZ, Comptroller.

Resolved, That the Commissioners of the Sinking Fund hereby concur in the following resolution adopted by the Armory Board at meeting held November 30, 1909:

"Resolved, That the bid of the Griffin Roofing Company, No. 506 West Twenty-sixth street, Borough of Manhattan, for Item No. 1, improvements and repairs to the roof of the Fourteenth Regiment armory, Borough of Brooklyn, in the sum of $2,121, be accepted, being the lowest formal bid received for said work; that the same be submitted to the Commissioners of the Sinking Fund for their concurrence and to the Comptroller for his approval of the sureties thereon, and when so approved the Chairman of the Armory Board be authorized to execute the contract on behalf of the Board; that all the other bids be rejected and the Comptroller requested to return the deposits received from the unsuccessful bidders."

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to the action of the Armory Board in appropriating the sum of $9,944.39 for the completion of the new Second Battery armory building, in accordance with certain changes in the contract and specifications of the Guidone & Galardi Company, made by the architect, including architect's fee. (Corporate Stock to the amount of $1,600 authorized.)

December 9, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—At a meeting of the Armory Board held November 30, 1909, the following resolution was adopted:

"Resolved, That the sum of $9,444.39 be and is hereby appropriated for the completion of the new Second Battery armory building, in accordance with certain changes in the contract and specifications of the Guidone & Galardi Company, made by the architect (including architect's fees); that the Commissioners of the Sinking Fund be requested to concur and to authorize the Comptroller to issue Corporate Stock therefor."

I have secured from the Armory Board the following detailed list of the work which it is proposed to do for this money and the prices therefor.

I have examined in detail the work at the armory with a representative of the architect and the contractor, and have endeavored to separate those items which it is well to do now, in order to save expense in the future from those other items which may better be left for inclusion in the contract for furnishing and equipping the armory.

The items of work which I consider may best be done now with my estimate of the cost is as follows:

1. In the new stalls additional work of placing the concrete floor wooden nailing pieces, upon which the finished stalls and floors may be erected.

2. Changing the present floor drains in stable to other drains of a larger size.

3. Alterations in iron work to allow wider turn at head of runway, provided the cost does not exceed $400.

4. Changes in electric wiring required by the Department of Water Supply, Gas and Electricity.

5. Substitution of Barrett's Anchor brand or Trinidad asphalt for last coat of riding hall roofing, with bond of $500 to maintain tight for ten years.

I estimate the value of these changes at not to exceed $1,600, and I think it would be to the interest of the City to proceed with that work at once.

The following items: Ventilation of rifle range, ventilation in stable, fittings in feed room, harness room and stalls, hardware for stable and harness room, railing at rear on south front, are all details of new work which can be put in place without in any way interfering with the finished work of the contract now in force.

I know of no reason why this work should be given out as an extra, without public letting on the present contract, and I feel strongly that the best interest of the City will be subserved by giving out the work above named at public letting, where some competition is assured.

I therefore recommend that the Commissioners of the Sinking Fund concur in the resolution of the Armory Board only so far as to authorize the issue of Corporate Stock to the amount of $1,600 for the purpose of making changes and additions to the work of erection of the Second Battery armory, One Hundred and Sixty-sixth street and Franklin avenue, Borough of The Bronx.

Respectfully,
CHANDLER WITHINGTON, Chief Engineer

Approved:
H. A. METZ, Comptroller.

Whereas, The Armory Board at meeting held November 30, 1909, adopted the following resolution:

"Resolved, That the sum of $9,444.39 be and is hereby appropriated for the completion of the new Second Battery armory building, in accordance with certain changes in the contract and specifications of the Guidone & Galardi Company, made by the architect (including architect's fees); that the Commissioners of the Sinking Fund be requested to concur and to authorize the Comptroller to issue Corporate Stock therefor"; and

Whereas, The Comptroller having recommended that the Commissioners of the Sinking Fund concur in the resolution of the Armory Board only so far as to authorize an issue of Corporate Stock to the amount of $1,600 for the purpose of making changes and additions to the work of erection of the Second Battery armory, One Hundred and Sixty-sixth street and Franklin avenue, Borough of The Bronx, it is

Resolved, That the Commissioners of the Sinking Fund hereby concur in said resolution only so far as to authorize the issue of Corporate Stock to the amount of sixteen hundred dollars ($1,600), and that for the purpose of providing means for the payment therefor, the Comptroller be and is hereby authorized and directed, pursuant to the provisions of chapter 231 of the Laws of 1908, to issue Corporate Stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter as amended, to the amount of sixteen hundred dollars ($1,600), the proceeds whereof to be applied to the payment of the expenses aforesaid.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to an issue of Corporate Stock to the amount of $998.40, the proceeds to be used for the purchase of twenty-four flame arc lamps temporarily installed in the Twenty-second Regiment armory, in the Borough of Manhattan:

December 9, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—At a meeting of the Armory Board held September 24, 1909, the following resolution was adopted:

"Resolved, That the sum of $998.40 be and is hereby appropriated for the purchase of twenty-four flame arc lamps from the General Electric Company, temporarily installed in the Twenty-second Regiment armory, Borough of Manhattan; that the Commissioners of the Sinking Fund be requested to concur and authorize the Comptroller to issue Corporate Stock therefor."

The matter has been investigated and there is no question that the amount mentioned is a very low price for the lamps as installed in the armory.

I therefore recommend that the Commissioners of the Sinking Fund authorize the Comptroller to issue Corporate Stock of The City of New York to the amount of $998.40, in accordance with the provisions of section 169 of the Greater New York Charter, for the purpose of purchasing twenty-four (24) flame arc lamps for the Twenty-second Regiment armory, Sixty-eighth street and Broadway, Borough of Manhattan.

Respectfully,
CHANDLER WITHINGTON, Chief Engineer.

Approved:
H. A. METZ, Comptroller.

Whereas, The Armory Board at meeting held September 24 adopted the following resolution:

"Resolved, That the sum of nine hundred and ninety-eight dollars and forty cents ($998.40) be and is hereby appropriated for the purchase of twenty-four flame arc lamps from the General Electric Company, temporarily installed in the Twenty-second Regiment armory, Borough of Manhattan; that the Commissioners of the Sinking Fund be requested to concur and authorize the Comptroller to issue Corporate Stock therefor."

Resolved, That the Commissioners of the Sinking Fund hereby concur in said resolution and that for the purpose of providing means for the payment therefor the Comptroller be and is hereby authorized and directed, pursuant to the provisions of chapter 231 of the Laws of 1908, to issue Corporate Stock of The City of New York, in the manner provided by section 169 of the Greater New York Charter, to an amount of nine hundred and ninety-eight dollars and forty cents ($998.40), the proceeds whereof to be applied to the payment of the expenses aforesaid.

The report was accepted and the resolution unanimously adopted.

The following petition was received from the Chapin Home for the Aged and Infirm for a sale of the City's interest in certain land lying within the block bounded by Lexington and Third avenues, Sixty-sixth and Sixty-seventh streets, in the Borough of Manhattan, City of New York, now occupied by the said the Chapin Home for the Aged and Infirm:

In the Matter of the Application of the Chapin Home for the Aged and Infirm, to the Board of Commissioners of the Sinking Fund of The City of New York, for a sale of the City's interest in certain land lying within the block bounded by Lexington and Third avenues, and Sixty-sixth and Sixty-seventh streets, in the Borough of Manhattan, City of New York, now occupied by said the Chapin Home for the Aged and Infirm, for the housing of its inmates and the carrying on of its work.

To the Honorable, the Commissioners of the Sinking Fund of The City of New York:

The petition of the Chapin Home for the Aged and Infirm respectfully shows:

1. The Chapin Home for the Aged and Infirm in The City of New York was incorporated by an act of the Legislature passed May 1, 1869, which act is now known as chapter 461 of the Laws of that year.

2. The general business and object of this corporation is to provide a home and support for aged and infirm persons without regard to race, creed or sect. The corporation under the charter is subject to all general laws affecting benevolent societies or institutions so far as practicable.

3. The Home has always been supported by benevolent contributions, the funds being raised directly by members of various committees, or contributed by the friends of the inmates. The institution has never been a charge on The City of New York, has received no public funds, and during the years from the date of its incorporation until the present time has continuously maintained each year between sixty and seventy inmates, who, but for the charitable work of this institution, would have become public charges.

4. On the 27th day of October, 1869, an indenture of lease was made between the Mayor, Aldermen and Commonalty of The City of New York and the Chapin Home for the Aged and Infirm, whereby there was leased to said Chapin Home for the term and period of ninety-nine years from said date twelve certain lots, pieces or parcels of land, situate, lying and being in The City of New York, within the block bounded by Lexington and Third avenues, and Sixty-sixth and Sixty-seventh streets. This lease was made pursuant to resolution of the Commissioners of the Sinking Fund of The City of New York held on the 7th day of October, 1869, and contained the usual covenants providing that the Home should be open to persons without regard to place of birth, creed or denomination, as was the established rule of the society.

The Chapin Home for the Aged and Infirm immediately took possession of the aforesaid property and has been in possession of the same ever since.

5. By resolution of the Commissioners of the Sinking Fund of The City of New York passed October 18, 1870, with the consent of the trustees of the Chapin Home for the Aged and Infirm, said lease was annulled and a new lease was authorized to be made on behalf of the corporation of The City of New York to the Chapin Home of all of the aforesaid property, and in addition two plots of land adjacent thereto, being 20 feet by 200 feet 10 inches in dimension. This lease was executed pursuant to authority of said last mentioned resolution, and bears date March 29, 1871, and leases the said property from the date thereof to said the Chapin Home for the Aged and Infirm for a period of ninety-nine years from its date, and is conditioned "that the said premises shall be used and occupied for the charitable and benevolent uses and purposes stated in the resolution aforesaid and for which the said party of the second part was incorporated and for no other use or purpose whatsoever. The annual rental payable and paid under each of the said leases made by the Chapin Home amounts to the sum of one dollar. The Chapin Home for the Aged and Infirm at once entered into possession of these two additional plots of land, and erected buildings for its uses and purposes which have been there maintained on this property for such uses and purposes as originally contemplated and as contemplated by the aforesaid leases until the present time, and the work of the said Home has been there carried on, and its objects there fulfilled continuously during all of the years aforesaid. A full description of said property aforesaid, is as follows:

"All that certain lot,, piece or parcel of land situate, lying and being in The City of New York, within the block bounded by Lexington and Third avenues, and Sixty-sixth and Sixty-seventh streets, in the Borough of Manhattan, and bounded and described as follows:

"Beginning at a point on the southerly side of Sixty-seventh street one hundred and fifty feet distant from the southeasterly corner of Lexingon avenue and Sixty-seventh street, and running thence easterly along said southerly side of Sixty-seventh street one hundred and seventy-five feet, and running thence southerly two hundred feet and ten inches parallel with Third avenue to the northerly side of Sixty-sixth street; running thence westerly along the northerly side of Sixty-sixth street one hundred and seventy feet to a point one hundred and fifty feet from the northeasterly corner of Lexington avenue and Sixty-sixth street, and running thence northerly two hundred feet and ten inches parallel with Lexington avenue, to the point or place of beginning on the southerly side of sixty-seventh street."

6. During the progress of the years the work itself has not only outgrown the capacity of the building so that the society is unable to receive the numbers of aged, infirm and needy who require not only a home and shelter, but the hospital care and treatment which the Home for many years has given to its aged patients suffering from diseases, and in many cases practically helpless, but the buildings themselves have become no longer suited by age and wear to the purposes for which they were originally intended, and it is imperatively necessary for the Home to secure new property or see its work crumble to ruin. The Chapin Home confronts a crisis, It must secure new quarters with modern and complete sanitary appliances, or it must continue to refuse needy applicants and see its present company of inmates dwindled away. Confronting this situation, the Board realized that to build suitable structures on the present site, because of the crowded condition of the neighborhood, would involve an expense for a modern building of many stories in height, with costly fireproofing and elevator service. Whereas the expenditure of a much less sum of money upon buildings in more open territory in the environs yet within the confines of the City would produce a satisfactory institution, giving greater capacity, with better air and open grounds to be enjoyed by the aged inmates in suitable weather.

7. Recalling the precedent established by the action of your Honorable Body in the matter of the Woman's Hospital, for many years on Lexington avenue and Fiftieth street, which found itself with old buildings and in a locality where the property was required for the improvement of the New York Central Railroad depots, whereby your Honorable Commission sold to the Woman's Hospital the real estate which it had occupied under a lease from the City, similar to that of the Chapin Home, thereby permitting it to move to a new location and build a new and modern building, in consideration of the hospital making a nominal payment in money and agreeing to maintain a certain number of free beds, the Chapin Home resolved to proceed along similar lines.

8. In 1907 the Board of Trustees of the Chapin Home secured the services of Mrs. Marian K. Clark, and entrusted to her with proper authority from the Board, the work of securing the passage of a bill through the Legislature, permitting the Board of Commissioners of the Sinking Fund of The City of New York to sell to the Chapin Home the property it now occupies, providing that the Home should sell its present property, secure real estate elsewhere in the City and erect structures adequate for the work of such a home to-day. This bill duly passed the Legislature, was signed by the Governor and became a law on June 6, 1907. This act is known as chapter 434 of the Laws of 1907. A copy of this act is herewith attached.

9. On July 23, 1907, the Chapin Home made a certificate under the signature of the President, and the seal of the Home, duly authorizing Mrs. Marian K. Clark to negotiate and arrange for the completion of this transaction with your Honorable Commission, and the said Mrs. Marian K. Clark herewith presents these aforesaid facts for the consideration of your Commission, and, on behalf of the Chapin Home, makes application for the sale of the property now occupied by the Chapin Home to the Home in fee, in order that the Home may carry out the purposes already set forth. On behalf of the Home she further sets forth its plans and proposals as follows:

The conditions upon and considerations for which the Chapin Home prays the Honorable the Board of Commissioners of the Sinking Fund of The City of New York, to sell and transfer this property to the Chapin Home are these:

(1) The payment by the home of the sum of Five Thousand Dollars ($5,000)

cash, which is more than the market value to The City of New York of the said property, as your petitioner is informed and believes.

(2) An agreement by the home to give 5,475 free days' care, maintenance and treatment, in each year, in perpetuity. Patients under this agreement to be received in the institution on or before May 1, 1910, or on completion of buildings.

11. It is believed by the Chapin Home that this proposition is entirely analogous to similar propositions entertained by your honorable Commission from the Mount Sinai Hospital, the German Hospital and the Hahnemann Hospital. The medical and surgical attendance rendered by the Chapin Home to its aged and infirm inmates has been always of the same care and quality given to like patients in any of the best hospitals in The City of New York, and there have always been and now are a large number of the inmates of the Chapin Home in such a state of helplessness as to be entirely dependent upon actual and continuous medical and surgical care and treatment.

12. Your petitioner begs to point out that in the sale of its present real estate, situated as it is in a high-class neighborhood, there will immediately be erected similar costly structures such as those erected on the original Mount Sinai Hospital plot and immediately surrounding it, and this property now producing no income by taxation will at once begin to bring a large revenue to the City, whereas now it produces nothing. Attention is further called to the fact that it is proposed to purchase property in a remote region, but within the City limits, where in any event the result and income from taxation is comparatively small. It should be borne in mind that property of a charitable institution produces no revenue to the City. It is a fair argument to say that the City would benefit largely by receiving taxes upon a costly piece of real estate in the heart of the City now producing nothing and substituting instead of it an inexpensive piece of land which probably will not be of high value for the next fifty years, irrespective of the value of any buildings to be erected.

13. If the honorable the Board of Commissioners of the Sinking Fund shall heed this petition and transfer the property upon the terms and conditions proposed, the Chapin Home will formally enter into an agreement to go over to some remote section within the boundaries of The City of New York, probably upon the hills behind Jamaica, and there, where land values are small as compared with the real estate now occupied, out of the proceeds of the sale, will secure property, erect buildings and maintain its work. Still further, the Chapin Home will agree that should there be any difference between the amount of the sale of its present property and the cost of the new property, it will invest said difference in first-class securities, holding them until such time as the increase of the work requires their expenditure. It is the purpose of the home immediately to provide for a much larger number of inmates than it has ever been able to accommodate, and as its means for support and maintenance permit, from time to time, to extend its work. In order that this transaction may be carried out to the entire satisfaction of the City authorities and as an evidence of good faith, the Chapin Home will enter into an agreement to carry out this entire matter, the purchase of said property, the erection of its buildings and the oversight of the expenditure and investment of the funds that may accrue from the sale of its present property, under the oversight and with the advice of the Comptroller of The City of New York.

14. Immediately upon the honorable, the Board of Commissioners of the Sinking Fund, approving of this petition in a general way, the Chapin Home will proceed to carry out its part of the agreement.

The Chapin Home for the Aged and Infirm in The City of New York most earnestly prays the honorable the Board of Commissioners of the Sinking Fund to grant this its petition.

THE CHAPIN HOME FOR THE AGED AND INFIRM.
By MARIAN K. CLARK.

State of New York, County of New York, ss.:

Marian K. Clark, being duly sworn, says that she is the agent of The Chapin Home for the Aged and Infirm and has read the foregoing petition and knows the contents thereof, and that the same are true of her own knowledge.

Sworn to before me this 25th day of February, 1909.

MARIAN K. CLARK.

JOHN FLYNN, Notary Public, Kings County.
Certificate filed in New York County.

In connection therewith the Comptroller presented the following report:

February 27, 1909.

To the Commissioners of the Sinking Fund:

GENTLEMEN—The Chapin Home, by Marian K. Clark, presents a petition to the Commissioners of the Sinking Fund which states in substance that it was incorporated in 1869, by chapter 461 of the Laws of that year; that its general business was to provide a home and support for aged and infirm persons without regard to race, creed or sect; that it is subject to all general laws affecting benevolent societies or institutions so far as practicable; that the home has always been supported by benevolent contributions made directly to members by various committees, or contributed by friends of the inmates; that it has never been a charge upon The City of New York, has received no public funds, and, during the years from the date of its incorporation until the present time, has continuously maintained each year between sixty and seventy inmates who otherwise would have been a public charge. That on the 27th day of October, 1869, the petition states, a lease was made with The City of New York, whereby property owned by The City of New York was leased for ninety-nine years from 1869, the property being on Sixty-sixth street, extending through to Sixty-seventh street, between Lexington and Third avenues. The lease was made in pursuance to a resolution of the Commissioners of the Sinking Fund of The City of New York, adopted October 7, 1869, and that the Chapin Home has been in possession of the property ever since; that the Commissioners of the Sinking Fund on October 18, 1870, with the consent of the Trustees, adopted a resolution annulling the lease, and adopted a resolution authorizing a new lease with the Chapin Home of the property and two additional plots of land adjoining on Sixty-sixth and Sixty-seventh streets, being a strip 20 feet wide by 200 feet 10 inches through the block. The last lease bears date March 29, 1871, and ran for a period of ninety-nine years from this date; that the annual rental under each of the leases was $1. That buildings have been erected upon the land included under the first lease, and also under the second lease; that they have maintained this property for such use and purposes as originally contemplated, and that the work of the institution has outgrown the capacity of the buildings; that the home is unable to receive the numbers of aged, infirm and needy who require a home and shelter, and also who require hospital care and treatment which the home heretofore has given to those aged patients, the building itself having become no longer suited by age and wear to the purpose for which it was originally intended, and that it is imperatively necessary for the home to secure new property. To build a suitable structure on the present site would involve an expense for a modern building many stories in height, with costly fireproofing and elevator service whereas the same money expended in a more open territory in the suburbs within the confines of the City would produce a more satisfactory institution, giving greater capacity, with better air and open grounds, to be enjoyed by the inmates. That, having in mind the action of the Commissioners of the Sinking Fund with the Hahnemann Hospital, the German Hospital and other institutions, which, during the past few years, have received releases from the Commissioners of the Sinking Fund to the land upon which their buildings had been erected, the Chapin Home in 1907 obtained a bill from the Legislature, approved by the Governor on June 6, 1907, known as chapter 434 of the Laws of 1907. That the Chapin Home presents this petition through its representative, stating that if The City of New York will deed to the Chapin Home the land in Sixty-sixth street and Sixty-seventh street, between Lexington and Third avenues, Borough of Manhattan, in fee absolute, they on their part will agree as follows:

First—They will pay the sum of $5,000 cash.

Second—At the time of the delivery of the deed they will enter into an agreement to give 5,475 free days' care, maintenance and treatment in each year in perpetuity, the patients under this agreement to be received in the institution as soon as the new buildings in the new location are erected ready for reception of patients, but in no event beyond May 1, 1910; said assignment to be made by the Commissioner of Charities of The City of New York. That this proposition is entirely analogous to similar propositions entertained by the Commissioners in the various releases heretofore mentioned; that they will give medical and surgical attendance which is similar to that given to like patients in the best hospitals of The City of New York, and do such other things as the agreement requires and herein mentioned. That it is their intention to dispose of this property, if obtained from the City, and with the proceeds thereof acquire property in the Borough of Queens, there obtaining acreage instead of lots, for the purposes of the home; that they will erect thereon buildings and where the present inmates in the home and those admitted for the 5,475 free days given annually will receive better treatment than can possibly be given in the now crowded institution.

This proposition is, as stated in the petition, analogous to that of the Mount Sinai Hospital, the German Hospital and the Hahnemann Hospital, which were accepted by the Commissioners of the Sinking Fund.

I believe that the work done by the Chapin Home will better conserve the care of the inmates if the home could obtain land in the country districts than in the city proper; that if the Commissioners of the Sinking Fund should agree to authorize the sale to the home, and the home should sell the property, as it undoubtedly will do, that the purchaser thereof would erect apartment houses thereon, and the income from taxation which the City would receive in that event, which it does not receive now, when capitalized, added to the capitalized amount of free work which they would give in the 5,475 days, capitalized on a 4 per cent. basis, would be the present fair market value of the property.

The property desired to be released by the Chapin Home was acquired by The City of New York under the Charters of 1686 and 1730, and adjoins what was the property formerly leased to the Mount Sinai Hospital under a similar lease, and is bounded and described as follows:

"All that certain lot, piece or parcel of land situate, lying and being in The City of New York, within the block bounded by Lexington and Third avenues, Sixty-sixth and Sixty-seventh streets, Borough of Manhattan, bounded and described as follows:

"Beginning at a point on the southerly side of Sixty-seventh street, which point is distant 170 feet easterly from the intersection of the easterly side of Lexington avenue with the southerly side of Sixty-seventh street, and running thence easterly along the southerly side of Sixty-seventh street 170 feet; running thence southerly at right angles to Sixty-seventh street 200 feet 10 inches to the northerly side of Sixty-sixth street; thence westerly along the northerly side of Sixty-sixth street 170 feet to a point on said northerly side of Sixty-sixth street 170 feet easterly from the intersection of the easterly side of Lexington avenue with the northerly side of Sixty-sixth street; running thence northerly at right angles to Sixty-sixth street 200 feet 10 inches to the southerly side of Sixty-seventh street, the point or place of beginning, reserving to the City all the right, title and interest in and to the lands in Sixty-sixth and Sixty-seventh streets."

The matter of this release is vested entirely with the Commissioners of the Sinking Fund. I therefore submit to them the proposition for their consideration and action

Respectfully,
H. A. METZ, Comptroller.

The Committee, consisting of the Comptroller, President of the Board of Aldermen and the Chamberlain, to whom this matter was referred at meeting held April 5, 1909, reported verbally in favor of the granting of the conveyance, and the following resolution was offered for adoption:

Whereas, The Chapin Home for the Aged and Infirm, in a verified petition addressed to the Commissioners of the Sinking Fund, under date of February 25, 1909, makes application pursuant to the provisions of chapter 434 of the Laws of 1907, for a grant in fee simple absolute of the premises in said act designated, and which are more particularly described as follows, viz.:

"All that certain lot, piece or parcel of land situate, lying and being in The City of New York, within the block bounded by Lexington and Third avenues, Sixty-sixth and Sixty-seventh streets, Borough of Manhattan, bounded and described as follows:

"Beginning at a point on the southerly side of Sixty-seventh street, which point is distant 170 feet easterly from the intersection of the easterly side of Lexington avenue with the southerly side of Sixty-seventh street, and running thence easterly along the southerly side of Sixty-seventh street 170 feet; running thence southerly at right angles to Sixty-seventh street 200 feet 10 inches to the northerly side of Sixty-sixth street; thence westerly along the northerly side of Sixty-sixth street 170 feet to a point on said northerly side of Sixty-sixth street 170 feet easterly from the intersection of the easterly side of Lexington avenue with the northerly side of Sixty-sixth street; running thence northerly at right angles to Sixty-sixth street 200 feet 10 inches to the southerly side of Sixty-seventh street, the point or place of beginning, reserving to the City all the right, title and interest in and to the lands in Sixty-sixth and Sixty-seventh streets;" and

Whereas, Under the provisions of said statute (chapter 434 of the Laws of 1907) the Commissioners of the Sinking Fund are authorized and empowered, in their discretion, to sell to the Chapin Home for the Aged and Infirm, at private sale, for such consideration as the said Board may deem proper (having in view the provisions made by the Chapin Home for the Aged and Infirm for the care of the aged and infirm persons who would otherwise become a charge upon The City of New York), and to grant and convey in fee simple absolute to said the Chapin Home for the Aged and Infirm, all that certain property lying within the blocks bounded by Lexington and Third avenues and Sixty-sixth and Sixty-seventh streets, in the Borough of Manhattan and City of New York, and more particularly described above, heretofore leased by the Mayor, Aldermen and Commonalty of The City of New York to the Chapin Home for the Aged and Infirm; and all the right, title and interest of The City of New York in said land or property; so as to permit and authorize the Chapin Home for the Aged and Infirm, after such conveyance and grant shall have been made, to sell, grant and convey in fee simple absolute, the whole or any part of the said premises, or to lease said premises or any part or portion thereof, for such term or terms as shall be deemed proper by the said the Chapin Home for the Aged and Infirm; and the said the Chapin Home for the Aged and Infirm, in case any such sale or lease shall be made by it, shall thereupon devote the proceeds of such sale or the income from such lease or leases as may be made by it, to the purchase of a new site within The City of New York, and the erection of new buildings, and to the maintenance and support of said the Chapin Home for the Aged and Infirm, or to any of these purposes; and

Whereas, Having in view such provision made by the Chapin Home for the Aged and Infirm for the care of the aged and infirm persons who would otherwise become a charge upon The City of New York, and having in view the agreement offered by the application of the petitioner aforesaid whereby the proceeds of sale of such land shall be devoted to the purchase of a new site and the erection of new buildings for doing similar work within the limits of The City of New York as now constituted, the Commissioners of the Sinking Fund have, in the exercise of the discretion vested in them by the provisions of said act, designated the sum of five thousand dollars ($5,000) to be a fair pecuniary consideration for the grant in fee simple absolute of the premises above described, upon condition that the said grantee shall covenant and agree, as a condition of said grant, to continuously maintain free inmates or patients, giving five thousand four hundred and seventy-five (5,475) days of free treatment or care of such patients or inmates in each year in perpetuity. The patients or inmates under this agreement to be received in the institution as soon as the new buildings in the new location are erected and ready for the reception of patients, but

in no event to be beyond May 1, 1911. The assignment of patients or inmates to be made by the Commissioner of Charities of The City of New York. When it shall have obtained title to the property the grantee is to sell the same and reinvest the funds in a larger institution for doing similar work within the limits of The City of New York as now constituted; to erect first class modern structures, suitable in every way for the proposed purposes; to negotiate the whole matter, sell the property, the erection of the buildings and the safe investment of any surplus funds not immediately needed to put into new buildings until such time as the money may be needed for such purposes, all under the general supervision of the Comptroller; now therefore be it

Resolved, That the Mayor and City Clerk be and they are hereby authorized and directed to make, execute and deliver on behalf of The City of New York, its deed of release, conveying such premises in fee simple absolute to the Chapin Home for the Aged and Infirm, upon the delivery to the Comptroller of The City of New York of the consideration price of five thousand dollars ($5,000), together with an agreement in writing under seal, and executed pursuant to resolution of the Board of Trustees of said corporation, indicating its acceptance of the terms and provisions in the foregoing preamble to this resolution contained. The deed of release to the petitioner, together with the agreement and other papers, to be approved as to form by the Corporation Counsel; such deed or release to contain a provision expressly cancelling each and every of the covenants in the lease of such premises above described.

Which resolution was unanimously adopted.

The following petition was received from Maria Hoffman for a release or quit-claim of the City's interest in a portion of the old Bushwick road, in the Borough of Brooklyn:

To the Honorable Commissioners of the Sinking Fund of The City of New York:

GENTLEMEN—The undersigned, Maria Hoffman, respectfully petitions your body for a quit-claim from The City of New York of certain premises shown on the annexed diagram, the same being a portion or part of the old lane or road which formerly led to New Bushwick and which is now commonly known as Bushwick avenue, in the Borough of Brooklyn, County of Kings.

This application is made under section 205 of the Charter of The City of New York.

That the title to the premises shown on the annexed diagram is questioned by Messrs. Coombs and Wilson, attorneys, of the Borough of Brooklyn, claiming that The City of New York may have an interest in said premises by reason of the fact that the said lane or road may have been a Dutch road and that the title to the same might be vested in The City of New York and for that reason such facts constitute a cloud upon the title of the petitioner to the premises owned by her and shown upon the diagram annexed hereto.

That your petitioner is the owner of the premises known as and by the street Nos. 397 and 401 Bushwick avenue and constitute the lot of ground situate on the corner formed by the intersection of the easterly side of Bushwick avenue with the northerly side of Varet street, and the lot next adjoining on the north of said corner.

That the said lots of land aforesaid run up to and border on the said strip of land on the east side of Bushwick avenue as laid out on the map of the Borough of Brooklyn, and that the property aforesaid next adjoining the said strip of land alleged to be a part of the old Bushwick road now known as Bushwick avenue, was conveyed to your petitioner and her husband, to wit:

Deed dated November 1, 1873, by William Deere and Sarah Ann, his wife, to Louis Hoffman, premises described as follows:

All that certain lot, piece or parcel of land situate, lying and being in the Eighteenth Ward of the City of Brooklyn, in the County of Kings and State of New York, bounded and described as follows, to wit:

Beginning at the corner formed by the intersection of the northerly line of Varet street with the easterly line of the Bushwick boulevard; and running thence easterly along the northerly side or line of Varet street eighty-four (84) feet and nine (9) inches; thence northerly and at right angles to Varet street twenty-five (25) feet; thence westerly and parallel with the north line of Varet street ninety-six (96) feet and one (1) inch to the easterly side of the said Bushwick boulevard; and thence southerly along the said Bushwick boulevard twenty-seven (27) feet and five (5) inches to the corner aforesaid, the point and place of beginning.

Together with any right, title and interest of the parties of the first part of, in and to any part of said boulevard or Varet street, adjoining the said lot, subject to the public use and restrictions imposed by law.

Said deed is recorded in Liber 1143 of Conveyances, page 73, in the office of the Register of the County of Kings on January 28, 1874.

Also deed, dated the 27th day of November, 1883, executed by Leopold Michel and Rachel Michel, his wife, to Louis Hoffman and Mary Hoffman, his wife, which conveys:

All that certain lot, piece or parcel of land, situate, lying and being in the City of Brooklyn, County of Kings, and State of New York, bounded and described as follows, to wit:

Beginning at a point which is distant twenty-five (25) feet northerly from the northerly side of Varet street at right angles to said street and ninety-eight (98) feet and three-quarter inches easterly from the easterly side of Bushwick avenue measured on a line parallel with said northerly side of Varet street and distant twenty-five (25) feet therefrom; and running thence northerly and at right angles to said Varet street twenty-four (24) feet seven (7) inches; thence westerly and parallel with Moore street and as the fence and house now stands one hundred and ten (110) feet nine (9) inches to the easterly side of Bushwick avenue; and thence southerly or nearly so and in a broken line twenty-eight (28) feet five (5) inches to other land, of the said Louis Hoffman and parallel with Moore street ninety-eight (98) feet eight and three-quarter (8¾) inches to the point or place of beginning.

Being the same premises which were intended to be conveyed by the said Leopold Michel, and wife, to the said Louis Hoffman and Mary Hoffman, by deed dated the 30th day of June, 1883, and recorded in the office of the Register of Kings County in Liber 1516 of Conveyances, page 232, on July 3, 1883, and being the southerly portion of the premises conveyed to the said Leopold Michel, by George B. Douglas, by deed dated the 29th day of June, 1883, and recorded in the Register's office of Kings County, in Liber 1516 of Conveyances, page 212, on July 3, 1883, reference being had to the following diagram whereon the premises hereby conveyed are described:

Said deed is recorded in the office of the Register of Kings County, in Liber 1538 of Conveyances, page 293, January 12, 1884.

Also deed dated the 23d day of July, 1888, made by Hannah Stern, wife of Sigmund Stern, and the said Sigmund Stern, to Louis Hoffman and Mary Hoffman, his wife, which premises are described as follows:

All that certain lot, piece or parcel of land, situate lying and being in the City of Brooklyn, County of Kings, and State of New York, bounded and described as follows, to wit:

Beginning at a point on a line drawn at right angles with Varet street and distant eighty-nine (89) feet five (5) inches easterly from the northeasterly corner of Bushwick avenue and Varet street, which said line would be intersected by a line drawn parallel with said Varet street forty-nine (49) feet and seven (7) inches in a straight line from the northerly side of Varet street (being the southeasterly corner of a certain lot of land conveyed by Leopold Michel and Rachel, his wife, to Hannah Stern, by deed dated the 15th day of October, 1884, and recorded in the Kings County Register's office, in Liber 1578 of conveyances, page 392, on the 22d day of October, 1884); running thence northerly at right angles with Varet street, twenty-five (25) feet; thence westerly and parallel with Varet street, twenty-five (25) feet; and thence southerly and at right angles with Varet street, twenty-five (25) feet to the point or place of beginning. Which deed is recorded in the office of the Register of Kings County in Liber 1900 of conveyances, at page 331, on July 8, 1889.

Deed dated the twenty-fourth day of March, 1908, by William Hoffmann and Henrietta Hoffmann, his wife, and Sophia Stanford and John Hoffmann, widower, Louis D. Hoffmann and Lena Hoffmann, his wife and Mamie Liebertz, heirs at law and next of kin of Louis Hoffmann, deceased, to Maria Hoffmann, widow of Louis Hoffmann, deceased, which conveys:

All that certain lot, piece or parcel of land, situate, lying and being in the Eighteenth Ward of the Borough of Brooklyn, formerly City of Brooklyn, County of Kings, City and State of New York, bounded and described as follows (together with the buildings and improvements thereon erected), viz.:

Beginning at the corner formed by the intersection of the northerly line of Varet street with the easterly line of the Bushwick boulevard, now Bushwick avenue; and running thence easterly along the northerly side or line of Varet street, eighty-four (84) feet nine (9) inches; thence northerly and at right angles to Varet street, twenty-five (25) feet; thence westerly and parallel with north line of Varet street, ninety-six (96) feet and one (1) inch to the easterly side of the Bushwick boulevard, now Bushwick avenue, and thence southerly along the said Bushwick boulevard, now Bushwick avenue, twenty-seven (27) feet and five (5) inches to the corner, aforesaid, the point or place of beginning.

Together with any right, title and interest of the parties of the first part of in and to any part of said boulevard (now known as Bushwick avenue), or Varet street adjoining to said lot, subject to the public use and restrictions imposed by law.

That Louis Hoffmann, the husband of your petitioner and a joint owner of the premises herein described, departed this life at the Borough of Brooklyn, City of New York on the 15th day of November, 1906, leaving your petitioner, Maria Hoffmann, him surviving together with William Hoffmann, a son; Sophia Stanford, a daughter; John Hoffmann, a son; Louis D. Hoffmann, a son; Mamie Liebertz, a daughter, the only heirs at law and next of kin of the said Louis Hoffmann, deceased, the husband of the said Maria Hoffmann, and one of the owners of the above described property.

That on the 24th day of March, 1908, the said William Hoffmann and Henrietta Hoffmann, his wife; Sophie Stanford and John Hoffmann, widower; Louis D. Hoffmann and Lena Hoffmann, his wife, and Mamie Liebertz, the heirs at law and next of kin of Louis Hoffmann, deceased, by deed bearing date that day, conveyed to Maria Hoffmann, the widow of Louis Hoffmann, deceased, all their right, title and interest in all the premises herein described, which said deed is recorded in the office of the Register of the County of Kings on the first day of April, 1908, at 12.15 o'clock p. m., in Liber , page , Section 10. Block 3109, a certified copy of which is hereto annexed.

That your petitioner is the same person who is designated in the foregoing deeds as "Mary" Hoffmann or "Marie" Hoffmann.

That the real true name of your petitioner is Maria Hoffmann, and that her name has been misspelt Mary and Marie, and that your petitioner is the same person to whom the premises above described were conveyed by the various deeds herein recited as the wife of Louis Hoffmann, deceased.

The property described herein is known upon the Tax Map of the Borough of Brooklyn, City of New York, as Lots Nos. 1, 2 and 70, Block 3109, Section 10; and as petitioner is informed and verily believes, there are no unpaid taxes, assessments or water rates outstanding against the said premises.

That the descriptions in the said deeds aforesaid purported to convey a strip of land fronting the said properties on Bushwick avenue on the east of the present line of Bushwick avenue and west of the line of the old Bushwick lane or road aforesaid; that is to say, that the strip of land for which a quit-claim deed is sought, lies immediately in front of said premises Nos. 397 and 401 Bushwick avenue, between the easterly line of the old Bushwick road, upon which it is alleged the said buildings encroach.

That some years ago and at the time of the obtaining of the deeds by the said Louis Hoffmann and Maria Hoffmann, his wife, the petitioner, as well as her husband, now deceased, were informed that they had obtained a good and marketable title to said premises, a quit-claim deed of which is now sought from The City of New York, and upon an inspection of the said title, by reputable lawyers, were informed that the title was good and marketable.

Wherefore your petitioner prays that a deed from The City of New York vesting in her such title as The City of New York may possess in and about the said strip of land aforesaid, may be delivered to your said petitioner, and that the said City of New York quit-claim to your petitioner all the right, title and interest belonging to the said City of New York as aforesaid.

MARIA HOFFMANN.

City and State of New York, County of Kings, Borough of Brooklyn, ss.:

Maria Hoffmann, being duly sworn, deposes and says: That she is the petitioner in this action; that she has heard read the foregoing petition and knows the contents thereof; that the same is true to the knowledge of deponent, except as to the matters therein stated to be alleged on information and belief, and as to those matters she believes it to be true.

MARIA HOFFMANN

Sworn to before me, this 5th day of June, 1908.

PAULINE E. WITTE, Commissioner of Deeds, City of New York.

This indenture made the twenty-fourth day of March, in the year one thousand nine hundred and eight, between William Hoffman and Henrietta Hoffman, his wife, and Sophia Stanford and John Hoffman, widower; Louis D. Hoffman and Lena Hoffman, his wife, and Mamie Liebertz, heirs at law and next of kin of Louis Hoffman, deceased, of the Borough of Brooklyn, County of Kings, City and State of New York, parties of the first part, and Maria Hoffman, widow of Louis Hoffman, deceased, of the same place, party of the second part, witnesseth:

That the said parties of the first part, in consideration of the sum of one dollar lawful money of the United States, and other good and valuable consideration paid by the party of the second part, do hereby grant and release unto the said party of the second part, her heirs and assigns forever, all that certain lot, piece or parcel of land, situate, lying and being in the Eighteenth Ward of the Borough (formerly city) of Brooklyn, County of Kings, City and State of New York, bounded and described as follows (together with the buildings and improvements thereon erected), viz.:

Beginning at the corner formed by the intersection of the northerly line of Varet street with the easterly line of Bushwick boulevard, now Bushwick avenue, and running thence easterly along the northerly side or line of Varet street eighty-four (84) feet nine (9) inches; thence northerly and at right angles to Varet street twenty-five (25) feet; thence westerly and parallel with the north line of Varet street ninety-six (96) feet and one inch to the easterly side of the Bushwick Boulevard, now Bushwick avenue, and thence southerly along the said Bushwick boulevard, now Bushwick avenue, twenty-seven (27) feet and five (5) inches to the corner aforesaid, the point or place of beginning.

Together with any right, title and interest of the parties of the first part of, in and to any part of said boulevard (now known as Bushwick avenue) or Varet street, adjoining to said lot, subject to the public use and restrictions imposed by law.

Together with the appurtenances, and all the estate and rights of the said parties of the first part, in and to said premises. To have and to hold the above granted premises unto the said party of the second part, her heirs and assigns forever. And the said parties of the first do covenant with the said party of the second part as follows:

First—That the said parties of the first part are seized of the said premises in fee simple, and have good right to convey the same.

Second—That the party of the second part shall quietly enjoy the said premises.

Third—That the said premises are free from incumbrances.

Fourth—That the parties of the first part will execute or procure any further necessary assurance of the title to said premises.

Fifth—That the said parties of the first part will forever warrant the title to said premises.

In witness whereof, the said parties of the first part have hereunto set their hand and seal the day and year first above written.

[L. S.]	WILLIAM HOFFMANN,
[L. S.]	HENRIETTA HOFFMANN,
[L. S.]	SOPHIA STANFORD,
[L. S.]	JOHN HOFFMANN,
[L. S.]	LOUIS D. HOFFMANN,
[L. S.]	LENA HOFFMANN,
[L. S.]	MAMIE LIEBERTZ.

In the presence of

PAULINE E. WITTE.

City and State of New York, County of Kings, ss.:

On this twenty-fifth day of March, in the year one thousand nine hundred and eight, before me personally came William Hoffmann and Henrietta Hoffmann, his wife, and Sophia Stanford and John Hoffmann, widower; Louis D. Hoffmann and Lena Hoffmann, his wife, and Mamie Liebertz, to me known and known to me to be the individuals described in, and who executed the foregoing instrument, and they thereupon severally acknowledged to me that they executed the same.

PAULINE E. WITTE,
Commissioner of Deeds, City of New York.

The land affected by this instrument lies in Section 10, Block 3109 on the land map of the County of Kings.

Recorded April 1, 1908, at fifty minutes past 12 p. m.

Register's Office, County of Kings, State of New York:

I, William A. Prendergast, Register of the said county, have compared the annexed copy with an instrument William Hoffmann and wife to Maria Hoffmann recorded in this office on the 1st day of April, A. D. 1908, at 12 o'clock, 50 minutes, p. m., Section 10, Block 3109, and certify the same to be a correct transcript therefrom, and of the whole of said instrument.

In testimony whereof, I have hereunto subscribed my name and affixed my official seal this 18th day of April, 1908.

WM. A. PRENDERGAST, Register.

[SEAL.]

FRED. H. E. EBSTEIN, Deputy Register.

June 8, 1908.

Hon. HERMAN A. METZ, *Comptroller:*

DEAR SIR—Enclosed herewith we beg to hand you the certified survey in the matter of the application of Maria Hoffman for a deed for so much of the old Bushwick road as the houses Nos. 397 to 401 Bushwick avenue, encroach upon. Will you kindly insert in your deed the following description?

All that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows, to wit:

Beginning at a point on the northerly side of Varet street where the northeasterly line or side of the old Bushwick road or lane intersects the said northerly side of Varet street, and which said point is distant eight (8) feet eleven (11) inches, more or less, from the corner formed by the intersection of the said northerly side of Varet street with the northeasterly side of Bushwick avenue; and running thence northwesterly along the northeasterly line or side of the old Bushwick road or lane, fifty-six (56) feet, more or less, to a point formed by the intersection of the said northeasterly line or side of the old Bushwick road or lane and a line drawn between the abutting independent walls of the premises known as Nos. 397 and 395 Bushwick avenue; running thence westerly along said line between the said abutting walls five (5) feet, more or less, to the northeasterly side of Bushwick avenue; and thence southeasterly along said northeasterly line or side of Bushwick avenue fifty-five (55) feet one (1) inch to the corner formed by the intersection of the said northeasterly side of Bushwick avenue; and the said northerly side of Varet street; and thence easterly along the northerly side of Varet street eight (8) feet eleven (11) inches, more or less, to the point or place of beginning.

Being that portion of the said old Bushwick road or lane upon which the front of the buildings erected upon the premises known as Nos. 397 to 401 Bushwick avenue, now encroach.

This deed being given for the purpose of conveying all of the land lying between the northeasterly side of the old Bushwick road or lane and the northeasterly side of the present Bushwick avenue, as is encroached upon by the present building known as and by the street Nos. 397 and 401 Bushwick avenue.

Together with all the right, title and interest in and to the old road or lane or street as aforesaid.

Thanking you in advance for your kindness, we remain,

Yours very truly,

SCHINZEL & HALBERT.

In connection therewith the Comptroller presented the following reports and offered the following resolution:

November 24, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Some time ago Maria Hoffman addressed a petition to the Commissioners of the Sinking Fund, praying for a conveyance of the right, title and interest of the City in and to a section of the old Bushwick road, at the corner of Varet street, Brooklyn.

The matter has been held in abeyance for the reasons that an action to quiet title involving lands within the lines of the old Bushwick road near the Cemetery of the Evergreens was pending, and as the questions involved in that case and in this were similar in many ways, the decision of the Court was awaited.

It was also hoped that a more thorough search of early records would furnish sufficient documentary proof of the existence of the Bushwick road prior to 1664.

The case referred to has been decided adversely to the City. The judgment roll is filed in the office of the County Clerk of Kings County under date of November 11, 1909. One of the findings of fact is as follows:

"That the road mentioned in the complaint as 'old road' or 'New Bushwick road' never was a so-called Dutch road, but that the same was laid out and opened under the English Government in the year 1704, and was an English road."

Conclusion of law:

"That the defendant has no just or equitable claim to any estate of inheritance or freehold or for a term of years or otherwise, in possession, reversion or remainder, in the land or property described in the complaint, and that it and every person claiming under it are barred from all claim to any estate therein."

This property is located in the Bushwick road that lies east of the Newtown turnpike. It is conceded by persons familiar with such matters that the records indicate the existence of the road west of the turnpike at a much earlier date. There is documentary evidence in the form of patents from Governor Stuyvesant which refer in terms to a highway, and some expert searchers are of the opinion that this refers to the Bushwick road. With the incomplete records at hand, however, the absolute identity of the road can hardly be established. Therefore, while there is substantial ground for the belief that the Bushwick road west of the turnpike was Dutch, it cannot be readily proved with the materials at hand.

I am not, however, prepared to make a recommendation that the interest of the City be conveyed for a nominal sum. There are hundreds, if not thousands, of documents in the State archives at Albany and in other places, many of which have never been translated out of the original Dutch.

On June 16, 1665, Governor Nicols directed that all grants by the Dutch Government should be confirmed. An order was issued to the inhabitants of the Dutch towns on Long Island providing that "no transport, deed or hypothecation of lands, houses or lots will be held valid unless they are passed, registered, signed and sealed by Mr. Cornelius Van Ruyven," who was then Secretary of the Colony. This record should provide an almost complete record of conveyances, and the descriptions would be invaluable. The book is somewhere, and if the City intends to take up the question of early titles in a comprehensive manner, it ought to be found.

In People vs. Clark (10 Barb., 120, at page 141) Justice Cady wrote:

"Every man who on the 20th day of April, 1777, owned an inch of land in this State held it under a grant from the King or under a Dutch grant."

It is evident from this that somewhere in every chain of title there is a grant from a sovereign power. The descriptions in these grants would doubtless fix definitely the lines of many of the ancient highways. Many such grants are known to be in the archives of the State at Albany, but apparently there has not been sufficient interest in the question to have them copied and plotted.

You have drawn attention to these conditions, but matters do not seem to have progressed toward the desired end. If the City does not care enough about the subject to have known sources of information properly examined, it can hardly expect anyone to make recommendations on the meagre records at hand, which may be upset by a further examination.

On the other hand, property owners cannot be kept waiting for any undue length of time for action in such matters. If they cannot get relief through petition to the Commissioners of the Sinking Fund, they will appeal to the courts.

In this particular case of Maria Hoffman the property in the road has been built upon and occupied for more than twenty years. It is also a fact that in the case of the Bushwick road, the Legislature, by various acts, specifically authorized abutting owners to fence in and occupy parts of the old Bushwick road that intervened when Bushwick avenue was opened. These acts did not cover the entire length of the road, and this particular parcel was not included. (Laws 1868, chapter 801; Laws 1873, chapter 354; Laws 1890, chapter 272.)

In view of the foregoing, I submit the case without recommendation, for the question seems to be one of public policy which is for the Commissioners of the Sinking Fund to determine.

The opinion of the Corporation Counsel is based on the report showing this a Dutch road and was written before the church case was decided.

Respectfully,

ROBERT JORDAN, Examiner.

Approved:

H. A. METZ, Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE,
November 27, 1909.

To the Commissioners of the Sinking Fund:

GENTLEMEN—I desire to draw your attention to the report of this Department on the petition of Maria Hoffman for a conveyance of the right, title and interest of the City in and to a section of the old Bushwick road in Brooklyn.

The report is self-explanatory. Under the conditions there disclosed I do not feel justified in making any recommendation regarding the disposition of this petition.

If the City intends to take this subject up in a comprehensive manner, there should, in my opinion, be an appropriation of $10,000 made to cover the expense of the search of the old records.

The Commissioner of Records of Kings County receives an appropriation of $100,000 per year for searching, restoring, etc., old records, but that is entirely spent in the routine work of the Department and there is no balance available for extra work of the character here involved. It is also a fact that from 1903 to 1909 the sum of $35,000 has been appropriated for the work of collecting, collating, etc., the records of Kings County. When the City was sued in an action to quiet title on a section of the Bushwick road, the Long Island Historical Society was requested to furnish whatever data it had which would tend to show the existence of the Bushwick road as a Dutch road. Under date of April 19, 1909, the institution replied that some translations were then in progress but were not completed. At any rate, there was no information forthcoming.

Therefore it seems that if this work is to be accomplished in a manner that will be of some practical value to the City it will have to be done by the City. There are experts in the office of the Commissioner of Records of Kings County who should, in my opinion, do the active work, but to meet the expense of sending these men to Albany it will be necessary to have an additional appropriation.

Respectfully,

H. A. METZ, Comptroller.

Resolved, That the Commissioners of the Sinking Fund hereby recommend to the Board of Estimate and Apportionment that they authorize an issue of Corporate Stock to the amount of $10,000, the proceeds to be used by the Commissioner of Records of Kings County for expenses in making searches in connection with the City's interest in old roads in the Borough of Brooklyn.

The reports were accepted and the resolution unanimously adopted.

No action was taken in regard to the petition of Maria Hoffman.

A petition was received from Appollonia R. Hodges and Clara Hodges for a release of the City's interest in property described on the former tax maps of the County of Richmond as Richmond County, Southfield, Town of, Map or Page 4, Lot 321, and the Comptroller presented a favorable report thereon.

Which was laid over, the matter requiring a unanimous vote of the full Board and there being only four members present.

A petition was received from Cornelius K. G. Billings for a release of quit-claim of the City's interest in a strip of the old Fort Washington Ridge road, in the Borough of Manhattan, and the Comptroller presented a report thereon.

Which was laid over.

The following petition was received from Sarah A. Bergin for a release or quit-claim of the City's interest in a portion of old East Broadway, in the Borough of Brooklyn:

To the Honorable Commissioners of the Sinking Fund of The City of New York:

The petition of Sarah A. Bergin, as administratrix of the estate of William Leahy, deceased, respectfully shows:

1. That your petitioner was at all the times hereinafter mentioned the owner of a certain lot or plot of land situated in the Twenty-ninth Ward of the Borough of Brooklyn, City and State of New York, bounded and described as follows:

All that certain piece or parcel of land situate, lying and being in the Town of Flatbush, in the County of Kings and State of New York, bounded and described as follows, viz.:

Beginning at a point on the northerly side of the road leading from Flatbush to New Lots (commonly called East Broadway), adjoining land formerly of John Allgeo; running thence northerly along said land two hundred and nineteen (219) feet two (2) inches, more or less, to land formerly of Helen Martense; thence easterly along said last mentioned land fifty-eight (58) feet; thence southerly parallel with the easterly line of said first mentioned land, two hundred and twenty-seven (227) feet three (3) inches, more or less, to the northerly side of said road leading from Flatbush to New Lots; and thence westerly along said northerly side of said road fifty-eight (58) feet six (6) inches, more or less, to the point or place of beginning.

Together with all the right, title and interest of the parties of the first part hereto of, in and to the said road leading from Flatbush to New Lots lying in front of said premises to the centre of said road, and as more fully appears by reference to deed of Peter L. Williamson to Elizabeth Leahy, recorded in the office of the Register of the County of Kings on the 10th day of June, 1880, in Liber 1393 of Conveyances at page 395. Also copy of survey hereto annexed and marked Exhibit "C."

2. That your petitioner became the owner of said premises by virtue of devises under the will of Elizabeth B. Leahy, deceased, which was admitted to probate on the 12th day of September, 1893, and the will of William Leahy, deceased, which was admitted to probate the 1st day of October, 1906 (true copies of which are hereto annexed and marked Exhibits "A" and "B").

3. That The City of New York, through its various Boards and officers, heretofore initiated proceedings to acquire title wherever the same had not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of straightening Church avenue, from Flatbush avenue to Brooklyn avenue, as the same had been laid out and designated as a first-class street or road in the Borough of Brooklyn, New York City; that the title has vested in the City and that the report of the Commissioners of Estimate and Assessment was confirmed by an order of the Supreme Court dated the 28th day of April, 1903.

4. That in and by said proceeding the northerly line of Church avenue was moved to the south, leaving a strip of land between the southerly line of your petitioner's property as described above, or the northerly line of East Broadway (Church avenue)

and present northerly line of Church avenue, the fee of which property is vested in The City of New York, and is bounded and described as follows:

Beginning at a point on the northerly side of Church avenue, distant sixty-three (63) feet eleven and one-quarter (11¼) inches from the corner formed by the intersection of the westerly side of Bedford avenue with the northerly side of Church avenue; running thence northerly and parallel with Bedford avenue thirty-one (31) feet seven and one-quarter (7¼) inches, to land of the estate of William Leahy; running thence northwesterly along said land fifty-eight (58) feet ten (10) inches; running thence southerly and parallel with Bedford avenue thirty-nine (39) feet ten and three-quarters (10¾) inches to Church avenue; running thence easterly and along Church avenue fifty-eight (58) feet one and three-quarters (1¾) inches to the point or place of beginning. See also copy of survey hereto annexed marked Exhibit "D."

5. That by reason of the City having title to the aforesaid strip or piece of land between your petitioner's property and the present line of the street, your petitioner has no access from Church avenue to her property.

Wherefore your petitioner prays that the City transfer the premises described in paragraph 4 to your petitioner upon such terms as may be just and agreed upon.

SARAH A. BERGIN.

City and State of New York, County of Kings, ss.:

Sarah A. Bergin, being duly sworn, deposes and says she is the petitioner in the above entitled action. That she has read the foregoing petition and knows the contents thereof and that the same is true of her own knowledge, except as to the matters therein stated to be alleged upon information and belief, and as to those matters she believes it to be true.

SARAH A. BERGIN.

Sworn to before me this 11th day of April, 1907.
WILMOT Y. HALLOCH, Notary Public, Queens County.
Certificate filed in Kings County.

EXHIBIT "A."

I, Elizabeth Bergin Leahy, wife of William Leahy, of the Town of Flatbush, in the County of Kings and State of New York, do hereby make, publish and declare this to be my last will and testament.

First—I give and bequeath to my beloved husband, William Leahy, all my personal property of every kind and description.

Second—I give, devise and bequeath to my said beloved husband, William Leahy, all real property owned by me at the time of my death, to have and to hold the same to him for and during the term of his natural life, and upon his death I give, devise and bequeath the same to my beloved niece, Sarah A. Bergin, to have and to hold the same to her and her heirs and assigns forever.

Third—I appoint my beloved husband executor of this my will.

In witness whereof, I have hereunto set my hand and seal the seventeenth day of June, one thousand eight hundred and ninety-three

[L. S.] ELIZABETH BERGIN LEAHY.

Signed, sealed, published and declared by the testatrix, Elizabeth Bergin Leahy, as and for her last will and testament in the presence of us, who, in her presence and at her request, and in the presence of each other, have hereunto subscribed our names and places of residence as witnesses.

Third clause written in before execution.

EUGENE A. CURRAN,
Clarkson street, Flatbush, Long Island, New York.
JAS. F. CURRAN,
East Broadway and Prospect street, Flatbush, Long Island.

I, Elizabeth Bergin Leahy, do make this codicil to my foregoing will:

Should my niece, Sarah Bergin, die before my said husband, then it is my will that all of my real estate shall, upon the death of Sarah Bergin, belong to my said husband, William Leahy, his heirs and assigns, absolutely, and I give, devise and bequeath the same.

Dated June 7, 1893.

[L. S.] ELIZABETH BERGIN LEAHY.

Signed, sealed, published and declared by the said testatrix, Elizabeth Bergin Leahy, as and for a codicil to her foregoing will in the presence of us, who, in her presence and at her request, and in the presence of each other, have hereunto subscribed our names and places of residence as witnesses.

EUGENE A. CURRAN,
Clarkson street, Flatbush, Long Island, New York.
JAMES F. CURRAN,
East Broadway and Prospect street, Flatbush, Long Island.

EXHIBIT "B."

I, William Leahy, of the Town of Flatbush, in the County of Kings and State of New York, do hereby make, publish and declare this to be my last will and testament.

First—I direct that all my just debts, funeral and testamentary expenses be paid as soon after my decease as practicable.

Second—I give, devise and bequeath unto my beloved niece, Sarah Bergin, all my property and estate, of whatsoever name, nature or description, whether real, personal or mixed, to have and to hold to her, her heirs, executors, administrators and assigns forever.

Third—I nominate, constitute and appoint my said niece Sarah Bergin, sole executrix of this my will.

Fourth—I revoke any and all former wills by me made.

In witness whereof, I have hereunto set my hand and seal this thirtieth day of January, in the year of our Lord one thousand eight hundred and ninety-four.

[L. S.] WILLIAM LEAHY.

Signed, sealed, published and declared by the testator, William Leahy, as and for his last will and testament in the presence of us, who, in his presence and in the presence of each other, have hereunto subscribed our names and respective residences as witnesses.

EUGENE A. CURRAN,
Clarkson street, Flatbush, Long Island.
E. D. CHILDS,
No. 636 Prospect place, Brooklyn.

In connection therewith the Comptroller presented the following report and offered the following resolution:

January 31, 1908.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Sarah A. Bergin, through George C. Case, an attorney of No. 189 Montague street, Brooklyn, in a petition addressed to the Commissioners of the Sinking Fund, asks for a release of the interest of The City of New York in and to a portion of old Church avenue or lane. The property is more particularly described hereafter.

Old Church avenue or lane is a Dutch road. A special report considering its history more in detail may be found in the Sinking Fund minutes of January 22, 1908.

The old lane followed a winding course. On March 15, 1899, the Board of Public Improvements authorized the opening of Church avenue from Flatbush avenue to Brooklyn avenue. The new street followed a more direct line. In many sections the bed of the old road is in the new street, but at other points the straighter lines of the new street left a strip of the old road intervening between the new line and the property of those abutting on the old road. This petition asks for a release of the City's interest in and to such a strip.

The Bureau for the Collection of Assessments and Arrears reports that no unpaid charges appear against Lot No. 38, Block 5089, Section 16, the property of the petitioner.

On December 19, 1902, the Board of Estimate and Apportionment reduced the percentage of assessment laid against the property owners for the improvement, the City assuming 55 per cent. of the cost of the proceeding. Whether this may be regarded in the nature of compensation for any damage that might have followed the proceeding is a legal question, and I would therefore recommend that the Corporation Counsel be requested to advise whether there is any reason why the City should not charge an amount approximating the actual value of the land for a release of its interest in and to the following described property:

"Beginning at a point on the northerly side of Church avenue, distant sixty-three (63) feet eleven and one-quarter (11¼) inches from the corner formed by the intersection of the westerly side of Bedford avenue with the northerly side of Church avenue; running thence northerly and parallel with Bedford avenue, thirty-one (31) feet seven and one-quarter (7¼) inches, to land of the estate of William Leahy; running thence northwesterly along said land, fifty-eight feet ten (10) inches; running thence southerly and parallel with Bedford avenue, thirty-nine (39) feet ten and three-quarter (10¾) inches to Church avenue; running thence easterly and along Church avenue, fifty-eight (58) feet and one and three-quarter (1¾) inches to the point or place of beginning. See also copy of survey hereto anexed marked Exhibit 'D.'"

Respectfully submitted,
ROBERT JORDAN, Examiner.

Approved:
H. A. METZ, Comptroller.

LAW DEPARTMENT, OFFICE OF THE CORPORATION COUNSEL,
NEW YORK, April 28, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—I have received under date February 4, 1908, a communication signed N. Taylor Phillips, Deputy Comptroller, transmitting the report of an Auditor of Accounts, Division of Law and Adjustment of the Department of Finance in the matter of the application of Sarah A. Bergin for a release of the City's interest in a portion of Church avenue, in the Borough of Brooklyn. The communication says:

"Said report, with the accompanying papers, is transmitted to you for appropriate action in the premises in accordance with the recommendations thereof."

This application is precisely similar to that of the Flatbush Volunteer Firemen's Association, concerning which an opinion was transmitted to the Comptroller on October 18, 1904, and to many other opinions respecting the same subject which followed and were based upon that opinion. I quote from that opinion:

"It appears from the report of the Appraiser in charge of the Bureau of Real Estate in the Finance Department that the Board of Public Improvements in the year 1899 instituted proceedings for the opening and extending of Church avenue, between Flatbush and Brooklyn avenues, in the Borough of Brooklyn, and that the Board of Estimate and Apportionment directed that fifty-five per cent. of the cost and expense of such proceeding be paid for by the City. Commissioners were duly appointed and their report was confirmed on April 28, 1903. By this opening a large part of the old road was included in the new avenue, while a part of it was left outside thereof. This amounted in law to a discontinuance of this old road as a highway, but left portions of it between the property of private owners and the new avenue. The present application is for a release of the City's interests in a portion of the old road to the owner of property adjoining thereon and separated thereby from Church avenue.

"By section 205 of the Greater New York Charter as revised, it is provided that the Commissioners of the Sinking Fund shall 'have power to sell and convey the right, title and interest of the City in and to lands lying within any street, avenue, road, highway, alley, lane or public place or square that has been discontinued and closed, in whole or in part, by lawful authority, to the owner of lands fronting on such street, avenue, road, highway, alley, lane or public place or square, so discontinued and closed, on such terms and conditions and for such consideration as in the judgment of the said commissioners of the sinking fund shall seem proper, provided the said commissioners of the sinking fund shall first determine that the said lands or the part thereof so sold and conveyed are not needed for any public use.'" * * *

It will be noticed that under section 205, thus quoted, authority to sell is vested in the Commissioners of the Sinking Fund only in cases where the lands referred to lie within any street, avenue, road, highway, etc., "that has been discontinued and closed, in whole or in part by lawful authority," and the question seems now to be further raised as to whether the portion of the highway containing the land for which the release of the title of the City is now asked has been so discontinued and closed. The doubt arises from the fact that no legal proceedings had been taken for such purpose and no express provision of law declares such discontinuance and closing.

A question precisely similar to this was passed upon in an opinion delivered to the Comptroller on January 21, 1909, relating to the status of Old East Clarkson street, in the Borough of Brooklyn. It was there pointed out that by chapter 670 of the Laws of 1869, Commissioners were appointed to lay out a plan for streets and roads in the towns of New Lots, Flatbush, Flatlands, New Utrecht and Gravesend, in the County of Kings; that the Commissioners were given exclusive power to lay out streets, avenues and public places of such width, extent and direction as they should decide, and that after the establishment or adoption of the permanent plan authorized by the act no street or avenue should be laid out in said towns or either of them, except in accordance with said plan so adopted, and that all streets or avenues afterwards opened, widened or improved, should be made to conform to such permanent plan and the lines thereof. Acting under this authority Commissioners made and filed a permanent plan of the streets, avenues, etc., in the towns mentioned.

"Old East Clarkson street was in the town of Flatbush and the lines thereof were altered by the Commissioners so as to move the street twelve (12) feet and three (3) inches northerly. * * * Although no express provision is found in the statute closing portions of streets which may be thus eliminated from the former existing street, it follows by implication, that when the new street is opened or improved the portion eliminated must cease to be a public street or highway and must revert to the original owners respectively of the land therein contained. This is clearly a legal closing and discontinuance of the street or highway within the meaning of section 205 of the Greater New York Charter."

In the case now under consideration a precisely similar course of action has been followed. The lines of Church avenue have been so fixed and laid out by lawful authority as to exclude a portion of the old road or lane which formerly constituted the highway. If an abutting property owner was damaged by this action the law provided a way to ascertain and to recover the amount of such damage. It could not have been the intention of the law that in laying out a new street containing a large portion of an existing highway that such new street within the lines lawfully established might be improved by grading, paving, and otherwise, and that there should exist an uneven strip on its side which was also an opened highway subject to improvement in different proceedings and with different results. In my opinion it is plain that the opening of a new highway necessarily excludes the existence of such a strip as a public highway.

Your Auditor of Accounts says:

"On December 19, 1902, the Board of Estimate and Apportionment reduced the percentage of assessment laid against the property owners for the improvement, the City assuming fifty-five per cent. of the cost of the proceeding. Whether this may be regarded in the nature of compensation for any damage that might have followed the proceeding, is a legal question, and I would therefore recommend that the Corporation Counsel be requested to advise whether there is any reason why the City should not charge an amount approximating the actual value of the land for a release of its interest in and to the following described property:"

(Here follows description.)

In reply to this I would say that the placing of a proportionate amount for an assessment for a local improvement upon the City has no relation whatever to the damage supposed to be individually sustained by the property owner.

I am, therefore, of opinion that this consideration should have no weight in the fixing of the price to be exacted from the owner for the release of the City's interest in the property in question. The amount to be charged for the release of the City's interest is left entirely to the discretion of the Commissioners of the Sinking Fund.

I have prepared a proper release of the premises described which I transmit herewith, duly approved as to form, together with two copies thereof.

Respectfully yours,
G. L. STERLING, Acting Corporation Counsel.

December 7, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Some time ago Sarah A. Bergin filed a petition for a conveyance of the interest of the City in a section of old East Broadway, Brooklyn.

The case was investigated and under date of June 11, 1909, the attorneys for the petitioner were advised that the consideration for the conveyance under the rule of the

Commissioners of the Sinking Fund would be $2,250, that being 50 per cent. of the value of the property sought to be acquired. A reply was received from the attorneys under date of June 22, 1909, stating that they were investigating the matter, but would be unable to reach a decision in time to place the matter before the Commissioners at the meeting of June 23.

No further communication has been received and it seems reasonable to assume that the terms have not been accepted.

I therefore recommend that the application be denied.

Respectfully,
ROBERT JORDAN, Examiner.

Approved:
H. A. METZ, Comptroller.

Resolved, That the petition of Sarah A. Bergin as administratrix of the estate of William Leahy, addressed to the Commissioners of the Sinking Fund, under date of April 11, 1907, for a conveyance of the interest of the City in a portion of old East Broadway, in the Borough of Brooklyn, be and the same is hereby denied.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolutions, relative to a sale of buildings upon property acquired for public purposes:

December 7, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Pursuant to section 1553 of the Revised Charter the authority to sell buildings situated upon land owned by The City of New York is vested in the Commissioners of the Sinking Fund.

This office is in receipt of several communications requesting the sale of buildings situated upon City property, to wit:

1. Request from the Commissioner of Parks of the Borough of The Bronx to sell the Ogden House, a house at Rodmans Neck, and a barn at Orchard Beach, in Pelham Bay Park.

2. Request from the President of the Borough of The Bronx to sell buildings lying within the lines of the following street openings:

(a) Whitlock avenue, from Hunts Point road to Longfellow avenue.

(b) Bartholdi street, from White Plains road to Holland avenue.

(c) Baychester avenue, from West Fourth street to Pelham Bay Park.

(d) Eden avenue, from East One Hundred and Seventy-second street to East One Hundred and Seventy-fourth street.

I would therefore respectfully request that two resolutions for the sale of the said buildings be adopted by the Commissioners of the Sinking Fund and resolutions are herewith transmitted.

Respectfully submitted for approval,
PETER AITKEN, Collector of City Revenue.

Approved:
H. A. METZ, Comptroller.

Whereas, The Commissioner of Parks for the Borough of The Bronx has requested the sale of all buildings, parts of buildings, etc., now standing upon property owned by The City of New York, acquired by it for park purposes, located in the Borough of The Bronx, said buildings being situated upon land more particularly described as follows:

Being all those buildings, parts of buildings, etc., situated on Pelham Bay Park, known as the Ogden House (recently occupied by the Country Club), a house at Rodmans Neck (recently occupied by the Morris Yacht Club), and an old barn at Orchard Beach, near the City Island road, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Room 141, No. 280 Broadway, Borough of Manhattan.

Resolved, That the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, hereby authorize and order the sale at public auction, or by sealed bids, at the highest marketable prices of all the buildings, parts of buildings, etc., upon the following terms and conditions:

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where their is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of The Bronx, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a cleaning exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

Whereas, The President of the Borough of The Bronx has requested the sale of all buildings, parts of buildings, etc., now standing upon property owned by The City of New York, located in the Borough of The Bronx, acquired by it for street opening purposes, said buildings being situated upon land more particularly described as follows:

Being all those buildings, parts of buildings, etc., situated on land lying within the lines of

1. Whitlock avenue as widened from Hunts Point road to Longfellow avenue;
2. Bartholdi street, from White Plains road to Holland avenue;
3. Baychester avenue, from West Fourth street to Pelham Bay Park:
4. Eden avenue, from East One Hundred and Seventy-second street to East One Hundred and Seventy-fourth street;

—all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Resolved, That the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, hereby authorize and order the sale at public auction, or by sealed bids, at the highest marketable prices of all the buildings, parts of buildings, etc., upon the following terms and conditions:

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug

in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of The Bronx, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

The report was accepted and the resolutions severally unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to a sale of buildings on Madison street, adjoining Boys' High School, in the Borough of Brooklyn:

December 10, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Pursuant to section 1553 of the revised Charter, the authority to sell buildings situated upon land owned by The City of New York is vested in the Commissioners of the Sinking Fund.

This office is in receipt of a communication from the Board of Education requesting the sale of buildings on Madison street, adjoining the Boys' High School, in the Borough of Brooklyn.

I would respectfully request that a resolution for the sale of said buildings be adopted by the Commissioners of the Sinking Fund, and a resolution is herewith transmitted.

Respectfully submitted for approval,
PETER AITKEN, Collector of City Revenue.

Approved:
H. A. METZ, Comptroller.

Whereas, The Board of Education has requested the sale of all buildings, parts of buildings, etc., now standing upon property owned by The City of New York, located in the Borough of Brooklyn, acquired by it for school site purposes, said buildings being situated upon land more particularly described as follows:

Being all those buildings, parts of buildings, etc., now standing on the land situated on the westerly side of Marcy avenue, with a frontage of 315 feet on the southerly side of Madison street and the northerly side of Putnam avenue, in the Borough of Brooklyn, and being known as Nos. 260 and 262 Madison street, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Resolved, That the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, hereby authorize and order the sale at the highest marketable prices, at public auction or by sealed bids, of all the buildings, parts of buildings, etc., upon the following terms and conditions:

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. The security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of Brooklyn, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to a plan submitted for the erection of a building upon the City's property on One Hundred and Fifty-first street, east of Amsterdam avenue, leased to D. L. Ormsby:

December 10, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—At a meeting of the Commissioners of the Sinking Fund, held September 22, 1909, a resolution was adopted authorizing the Comptroller to sell for the highest marketable price or rental, by sealed bids, after public advertisement, the lease of the premises belonging to the corporation of The City of New York, situated on the northerly side of West One Hundred and Fifty-first street, distant 200 feet easterly from the northeasterly corner of West One Hundred and Fifty-first street and Amsterdam avenue, size 100 feet front, with a depth of 99 feet 11 inches, in the Borough of Manhattan, for a term of six years and six months from November 1, 1909, with the privilege of a renewal for an additional ten years upon the same terms and conditions.

Pursuant to said resolution, after due public advertisement, sealed bids were opened at 11 a. m., on Monday, October 25, 1909, and the bid of Mr. Dorman L. Ormsby, of No. 11 West One Hundredth street, in the sum of $1,250 per annum, being the highest, was accepted, and the lease of the said property awarded to him.

In accordance with the conditions under which the lease was sold, Mr. Ormsby has submitted plans for a building which he proposes to erect upon the said premises. These plans having been approved by the Comptroller and the Chief Engineer of the Department of Finance, it becomes necessary to have them approved by the Commissioners of the Sinking Fund.

I therefore respectfully request that a resolution be adopted by the Commissioners of the Sinking Fund approving said plans, and a resolution and the plans are herewith transmitted.

Respectfully submitted for approval,
PETER AITKEN, Collector of City Revenue.

Approved:
H. A. METZ, Comptroller.

Resolved, That the Commissioners of the Sinking Fund hereby approve the plans submitted by Dorman L. Ormsby, for the erection of a building on property situated on the northerly side of West One Hundred and Fifty-first street, distant 200 feet easterly from the northerly side of West One Hundred and Fifty-first street and Amsterdam avenue, in the Borough of Manhattan, the lease of which was sold to him under date of October 25, 1909, and permission is hereby given to erect said building in accordance with said plans.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to fines payable to New York Society for the Prevention of Cruelty to Children, Brooklyn Society for the Prevention of Cruelty to Children, American Society for the Prevention of Cruelty to Animals, Humane Society of New York, Medical Society of the County of New York, Dental Society of the State of New York, Anti-Policy Society, Forest, Fish and Game Commission, the City Chamberlain, for violation of Agricultural Law:

December 10, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—The following fines imposed by the Court of Special Sessions, First Division and Second Division, etc., have been collected at dates stated in month of November, 1909, and are payable, pursuant to law, to the several societies named:

To New York Society for the Prevention of Cruelty to Children (Section 5, Chapter 183, Laws of 1876).

Court of Special Sessions, First Division—			
November 9	Joseph L. Branco	$35 00	
November 18	William Strickland	25 00	
November 23	John Connolly	25 00	
November 23	Jeannette Maas	25 00	
November 30	Andrew Miller	50 00	
			$160 00

To Brooklyn Society for the Prevention of Cruelty to Children (Section 5, Chapter 122, Laws of 1876).

Court of Special Sessions, Second Division—			
November 11	Rose Safer (Brooklyn)	$25 00	
November 12	Stanislaus Janusky (Brooklyn)	10 00	
November 26	Patrick Mackay (Brooklyn)	10 00	
November 29	Martin Lee (Brooklyn)	25 00	
November 29	James Schicutenna (Brooklyn)	10 00	
			$80 00

To American Society for the Prevention of Cruelty to Animals (Section 6, Chapter 490, Laws of 1888).

Court of Special Sessions, First Division--			
November 1	Raphael Dorsi	$10 00	
November 3	Joseph Caggeano	5 00	
November 3	Salvatore Trentascoste	5 00	
November 3	John Barrett	5 00	
November 3	Cornelius Cronin	10 00	
November 3	William Reilly	10 00	
November 3	Joseph Weber	10 00	
November 3	Abraham Rosenblock	10 00	
November 3	Jacob Tribitz	10 00	
November 3	Joseph Ledvonofsky	15 00	
November 4	Tony Ambrosino	10 00	
November 4	Gustav Katz	15 00	
November 4	John Byrne	10 00	
November 4	George Peters	10 00	
November 4	John Melita	5 00	
November 4	Pietro Nizzari	5 00	
November 4	Arthur T. Sullivan	5 00	
November 10	Angelo Tarento	5 00	
November 10	Oscar Miller	5 00	
November 10	Pasquale Miliano	5 00	
November 10	Thomas Selzer	5 00	
November 10	Edward Timm	5 00	
November 10	James Phillips	10 00	
November 10	John Polansky	10 00	
November 10	Gerson Goodman	10 00	
November 10	Joseph Miller	10 00	
November 11	Frank Frira	5 00	
November 11	Louis Parell	5 00	
November 11	Sam Lasol	5 00	
November 11	Henry Seaman	5 00	
November 11	Tony Vacca	10 00	
November 11	Louis Pollak	10 00	
November 11	Isaac Steinberg	10 00	
November 17	Sam Citron	10 00	
November 17	John Martin	5 00	
November 17	Frank Modack	5 00	
November 17	Harry Cutter	5 00	
November 17	Richard Dalton	5 00	
November 17	Adam Schmitt	5 00	
November 18	Sam Similowitz	15 00	
November 22	Tony Palledino	10 00	
November 22	John Daly	5 00	
November 22	Joseph Costello	5 00	
November 22	Guiseppe Alfieri	5 00	
November 24	Timothy Monahan	5 00	
November 24	Frank Bannach	5 00	
November 24	Richard McGowan	5 00	
November 24	Jacob Belsky	5 00	
November 24	William Vance	5 00	
November 24	Morris Smith	5 00	
November 24	Frank J. Wilson	5 00	
November 24	Michael Helmcke	5 00	
November 24	Edward Schemital	5 00	
November 24	Solomon Orloff	5 00	
November 24	Harry Schwartz	5 00	
November 24	Tony Savenio	5 00	
November 24	John Fauell	5 00	
November 24	Sam Schwartz	5 00	
November 24	Thomas Horowitz	10 00	
November 24	Max Horowitz	10 00	
November 24	Jacob Werner	10 00	
November 24	Fred Wohrden	10 00	
November 29	Frank Sablinsky	5 00	
November 29	Harry Cunningham	5 00	
November 29	Carmelo Livato	15 00	
November 29	John Pimmer	10 00	
November 29	Henry Lasher	15 00	
			$500 00
Court of Special Sessions, Second Division—			
November 5	Harry Slavin (Brooklyn)	$20 00	
November 5	Thos. Behrens (Brooklyn)	10 00	
November 5	Richard Kohlers (Brooklyn)	20 00	
November 12	Samuel Hashinsky (Brooklyn)	10 00	
November 12	Benjamin Blackman (Brooklyn)	5 00	
November 19	William Mongean (Brooklyn)	10 00	
November 19	John Lombardy (Brooklyn)	10 00	
November 19	David Gumberg (Brooklyn)	10 00	
November 19	Aaron Smolen (Brooklyn)	10 00	
November 19	James Fischer (Brooklyn)	10 00	
November 19	Giovani Ferrariolo (Brooklyn)	10 00	
November 19	Jacob Bushawsky (Brooklyn)	10 00	
November 19	David Raich (Brooklyn)	10 00	
November 19	John Nichols (Brooklyn)	10 00	
November 19	Simon Medlin (Brooklyn)	10 00	
November 19	Hyman Sabowitz (Brooklyn	25 00	
November 26	Benjamin Saltz (Brooklyn)	10 00	
November 26	Aaron Smoler (Brooklyn)	20 00	
November 9	George Hahn (Queens)	10 00	
November 9	Nicholas Alleco (Queens)	10 00	
November 9	Frank Solak (Queens)	10 00	
November 13	Samuel Calvin (Queens)	10 00	
			260 00
Total			$760 00

To the Humane Society of New York (Section 6, Chapter 490, Laws of 1888).

Court of Special Sessions, First Division—			
November 3	Anthony Cosentino	$5 00	
November 3	Albert Morrison	5 00	
November 3	John Sprague	5 00	
November 3	Sam Mikoba	10 00	
November 3	Thomas Corcoran	10 00	
November 3	John Santoro	10 00	
November 3	Samuel Viner	15 00	
November 4	Frank Bross	5 00	
November 4	Salvatore Pizzrito	10 00	
November 4	John Montlary	10 00	
November 4	Henry Schaefer	10 00	
November 4	Max Ballenzweig	10 00	
November 4	Tony Tucci	10 00	
November 4	John Todd	5 00	
November 4	George Robertson	5 00	
November 4	Tony Pasquale	5 00	
November 4	Louis Greif	10 00	
November 4	Rubin Ridler	15 00	
November 4	John Susman	5 00	
November 4	Max Strauss	5 00	
November 4	Malcolm McGregor	5 00	
November 4	Amanelio Viserto	5 00	
November 10	Alexander Lercinski	5 00	
November 10	Charles J. Burke	5 00	
November 10	James J. Harris	5 00	
November 10	Thomas Hardy	5 00	
November 10	Joseph Woollett	10 00	
November 10	Morris Weinstein	10 00	
November 10	Massimiano Orticelli	10 00	
November 10	Thomas Amcono	10 00	
November 10	Samuel Thomas	10 00	
November 10	Hugo Green	5 00	
November 10	John Lemperle	5 00	
November 10	Joseph Carraher	5 00	
November 10	Jimmie Vizzari	5 00	
November 10	Tommaseo Di Matteo	10 00	
November 10	Jacob Gordon	10 00	
November 10	John O'Connor	10 00	
November 17	Harry Bramowitz	10 00	
November 17	Moe Dembinsky	10 00	
November 17	Edward McCabe	10 00	
November 17	Max Levi	10 00	
November 17	John J. Burns	5 00	
November 17	Frederick Benjamin	5 00	
November 17	Harry Herman	5 00	
November 17	William Gilly	5 00	
November 17	Barnet Marcus	15 00	
November 17	Louis Coughlin	10 00	
November 17	Frank Moultrie	10 00	
November 22	Andrew Zeleften	10 00	
November 22	Hugh McGrade	10 00	
November 22	Tony Ruggelski	10 00	
November 24	Patrick Morrisey	5 00	
November 24	Richard Brinkworth	5 00	
November 24	Hyman Kramer	5 00	
November 24	Julian Melchiore	5 00	
November 24	Frank McLaughlin	5 00	
November 24	Max Franklin	5 00	
November 24	Isaac Goodman	5 00	
November 24	Joseph L. Kane	5 00	
November 24	John Freeman	5 00	
November 24	David Barny	10 00	
November 24	Mike Werner	10 00	
November 24	Richard Lahert	10 00	
November 24	Pietro Spinelli	10 00	
November 24	Oscar Suoza	10 00	
November 24	Meyer Cantor	10 00	
November 24	Elgeor Becker	10 00	
November 24	Philip Gordon	10 00	
November 24	Frank Richards	15 00	
November 29	John Green	5 00	
November 29	Nicholas Ferrara	5 00	
November 29	William J. Wilton	5 00	
November 29	Joseph Roche	5 00	
November 29	Herman Goldberg	5 00	
			$585 00
Court of Special Sessions, Second Division—			
November 19	Jacob Reitstein, Brooklyn		10 00
Total			$595 00

To Medical Society of the County of New York, Section 153, and Chapter 651, Laws of 1893, as Amended by Chapter 398, Laws of 1893.

Court of Special Sessions, First Division--			
November 11	Hildebrand F. Leuzzi	$25 00	
November 26	Giovani Fivre	100 00	
			$125 00
Court of Special Sessions, Second Division—			
November 12	Nicola Cerulla, Brooklyn		100 00
Total			$225 00

To Dental Society of the State of New York, Section 159-D, Chapter 2151, Laws of 1901.

Court of Special Sessions, First Division—

November 19	Oscar Cantor	$50 00	
November 19	Max Pascher	50 00	
November 19	Maurice Kronfeldt	50 00	
			$150 00

To Anti-Policy Society (Chapter 163, Laws of 1895).

Court of General Sessions—

November 30	Henry Underworfer	$50 00

To Forest, Fish and Game Commission, Section 21, of the Forest Fish and Game Law, Chapter 592, Laws of 1904.

Court of Special Sessions, Second Division—

November 5	Kasimier Andrushiewich, Brooklyn	$10 00	
November 9	Salvator Cucca, Queens	10 00	
November 9	Joseph Banno, Queens	10 00	
			$30 00

To the City Chamberlain, Fines for Violation of Agricultural Law, for Distribution, Section 9, Chapter 338, Laws of 1893.

Court of Special Sessions, Second Division—

October 19	Michael Carton, Queens	$100 00	
October 19	Michael Carlin, Queens	100 00	
			$200 00

All the above cases were prosecuted by the officers of the several societies to which fines are payable, and none of said fines has been previously paid to either of said societies.

The amount collected has been deposited to the credit of the Sinking Fund for payment of the Interest on the City Debt.

Respectfully,
F. W. SMITH, Chief Accountant and Bookkeeper.

Approved:
H. A. METZ, Comptroller.

Resolved, That warrants payable from the Sinking Fund for the Payment of the Interest on the City Debt be drawn in favor of the following societies for the amount of fines imposed and collected by Court of Special Sessions, First and Second Divisions, etc., in month of November, 1909, as per statement submitted and payable to the said societies pursuant to law, viz.:

New York Society for the Prevention of Cruelty to Children	$160 00
Brooklyn Society for the Prevention of Cruelty to Children	80 00
American Society for the Prevention of Cruelty to Animals	760 00
The Humane Society of New York	595 00
Medical Society of the County of New York	225 00
Dental Society of the State of New York	150 00
Anti-Policy Society	50 00
Forest, Fish and Game Commission	30 00
The City Chamberlain for violations of Agricultural Law	200 00

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to a refund of $10 being amount of fine to Joseph Joel:

December 2, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—On November 10, 1909, an order was entered in the County Court of Kings County reversing the judgment entered February 17, 1909, in the Fifth District City Magistrates' Court, Second Division, against Joseph Joel, and further ordered the Comptroller to refund the fine of ten dollars ($10) imposed upon and collected from the said Joseph Joel.

The fine collected was deposited to credit of the Sinking Fund for the Payment of the Interest on the City Debt.

Respectfully submitted,
F. W. SMITH, Chief Accountant and Bookkeeper.

Approved:
H. A. METZ, Comptroller

Resolved, That a warrant payable from the Sinking Fund for the Payment of the Interest on the City Debt—be drawn in favor of Joseph Joel for the sum of Ten Dollars ($10), refunding this amount of fine imposed upon and collected from him by Fifth District City Magistrate's Court, Second Division (Brooklyn); judgment of the lower court reversed and fine remitted by order of County Court of Kings County.

Entered November 10, 1909.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to the Refunding of Croton Water Rents Overpaid in Error.

December 10, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Applications have been made as per statement herewith for the Refund of Croton Water Rents Paid in Error.

The applications are severally approved by the Commissioner of Water Supply, Gas and Electricity, the Receiver of Taxes or the Collector of Assessments and Arrears and the amount so paid, eleven hundred and fifty-eight dollars and forty-nine cents ($1,158.49) has been deposited in the City Treasury to the credit of the Sinking Fund for the Payment of the Interest on the City Debt.

Respectfully,
F. W. SMITH, Chief Accountant and Bookkeeper.

Water Register—		
Robert J. Cluse	$9 00	
S. Emilie Schweizer	25 20	
Carrie Salomon	24 00	
German Lutheran Church	97 60	
Morris & Cummings Dredging Company	54 18	
P. Pederson	19 70	
Leopold Brand	2 00	
Estate of Francis H. Leggett	35 00	
Lawyers' Title Insurance and Trust Company	51 35	
Elias Kantrowitz	11 00	
Philadelphia and Reading Railroad Company	45 00	
James Speyer	22 50	
Jennie Salzberg	48 00	
Whitney-Steen Company	5 00	
Water Register—		
Whitney-Steen Company	77 10	
Samuel Friedman, for L. Rubenstein	10 24	
Alfred Dreyer, Agent	18 40	
Kate Healy, Agent	16 65	
George R. Read & Co.	15 00	
Horace S. Ely & Co., Agents	15 00	
Herman M. Weaver	164 85	
Daniel Moynahan, as Collector of Assessments and Arrears	68 50	
L. Napoleon Levy	164 00	
New York Orthopædic Dispensary and Hospital	18 50	
		$1,017 77
Receiver of Taxes—		
George Neuffer	$9 20	
Estate of Leonard Mortimer Thorn	198 30	
		207 50
Collector of Assessments and Arrears—		
Rich, Woodford, Bovee & Butcher		97 72
		$1,322 99
Less amount provided for at meeting held November 18, 1909, to refund D. Gordon $164.50; as the refund was made from account called Water Meter Fund No. 2, the resolution of November 18, 1909, that a warrant for $702.45 be drawn was erroneous to that extent		164 50
		$1,158 49

Resolved, That a warrant payable from the Sinking Fund for the Payment of the Interest on the City Debt, be drawn in favor of the Chamberlain for the sum of eleven hundred and fifty-eight dollars and forty-nine cents ($1,158.49) for deposit in the City Treasury to the credit of Croton Water Rent Refunding Account for the Refunding of erroneous and overpayments of Croton Water Rents as per statement submitted herewith.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution, relative to the Refunding of Water Rents, Borough of Brooklyn, Paid in Error.

December 10, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—Applications have been made as per statement herewith for the Refund of Water Rents, Borough of Brooklyn, Paid in Error.

The applications are severally approved by the Commissioner of Water Supply, Gas and Electricity, and the amount so paid, one hundred and eighty-one dollars and twenty-one cents ($181.21) is a proper charge against the Water Sinking Fund, City of Brooklyn.

Respectfully,
F. W. SMITH, Chief Accountant and Bookkeeper.

Water Register—	
Moses Rosenberg	$5 00
Mary McMurray	13 00
Catherine Halloran	3 75
Henry Neugass	10 00
Thomas S. Lowery	19 00
Robert Devillers	8 40
William A. Andrews, Agent	7 00
Henry Schwanewede	33 00
Max Berk	18 00
Edward F. Marsh	8 00
Joseph Straus	5 00
Delia Fox	12 00
N. Lucken	1 16
Anna Muller, Agent	1 92
Jacob S. Becker	3 33
Charles P. Cannella, Agent	13 65
Joseph Frissi, Agent	19 00
	$181 21

Resolved, That a warrant payable from the Water Sinking Fund, City of Brooklyn, be drawn in favor of the Chamberlain for the sum of one hundred and eighty-one dollars and twenty-one cents ($181.21), for deposit in the City Treasury to the credit of Water Rents, Borough of Brooklyn, Refunding Account, for the refunding of erroneous and overpayments of water rents, as per statement submitted herewith.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to the refunding of street vault permits paid in error:

December 13, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—The following applications are made for the refund of amounts overpaid for street vault permits.

With each application is an affidavit of the owner and the certificate of a City Surveyor, and the amount to be refunded is certified by the Superintendent of Highways, approved by the Acting President of the Borough and the Commissioner of Public Works.

Permit No.	Owner and Location.	Amount.
1673.	W. W. Astor, Nos. 207 to 215 West Forty-fourth street	$4 95
2018.	W. W. Astor, No. 327 Fifth avenue	5 24
1976.	Estate of Frances Adelaide Lawrence, No. 267 Fifth avenue	4 44
		$14 64

The amount paid was deposited in the Sinking Fund for the Redemption of the City Debt, No 1.

Respectfully,
F. W. SMITH, Chief Accountant and Bookkeeper.

Approved:
H. A. METZ, Comptroller.

Resolved, That warrants payable from the Sinking Fund for the Redemption of the City Debt, No. 1, be drawn in favor of the following named parties, refunding the amounts overpaid by them, respectively, for street vault permits, as per statement submitted:

W. W. Astor	$4 96	
W. W. Astor	5 24	
		$10 20
Estate of Frances Adelaide Lawrence		4 44

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution relative to the refunding of assessments for Prospect Park improvement paid in error:

December 9, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—On October 28, 1909, Herman Hamel paid to the Deputy Collector of Assessments and Arrears, Borough of Brooklyn, $2.63 as principal and 24 cents as interest, total, $2.87, for the 1908 installment of Prospect Park improvement on Lot No. 44, Block 1074, in Section 4.

This created an overpayment, as said Herman Hamel had made a previous payment of a like amount on October 26, 1909.

The amount so overpaid was deposited in the Sinking Fund of the City of Brook'yn; the refund will be made through "Refunding Assessments Paid in Error, Borough of Brooklyn."

The resolution herewith is necessary to reimburse such account for amount of assessment and interest on same so to be refunded.

Respectfully,
F. W. SMITH, Chief Accountant and Bookkeeper.

Resolved, That a warrant payable from the Sinking Fund, City of Brooklyn, be drawn in favor of the Chamberlain for the sum of two dollars and eighty-seven cents ($2.87), to be deposited in the City Treasury to the credit of "Refunding Assessments Paid in Error, Borough of Brooklyn," to refund Herman Hamel, through this account, this amount of assessment and interest for Prospect Park improvement paid in error.

The report was accepted and the resolution unanimously adopted.

The following was received from the Board of Education relative to the cancellation of the lease of premises at Pitkin avenue and Watkins street, Borough of Brooklyn:

Whereas, The new addition to Public School 84, Borough of Brooklyn, was occupied for school purposes on November 29, 1909, rendering unnecessary the further occupancy of the leased premises at Pitkin avenue and Watkins street, in said Borough; and

Whereas, The lessors, the Hebrew Educational Society, have consented to the cancellation of the lease, which will expire July 1, 1910; therefore be it

Resolved, That the said premises be vacated on December 31, 1909; and be it further

Resolved, That the Commissioners of the Sinking Fund be and they are hereby respectfully requested to consent to the cancellation of the lease of the above mentioned premises as of December 31, 1909; and be it further

Resolved, That the said Commissioners be and they are hereby respectfully requested to take immediate action on the foregoing request.

A true copy of preamble and resolutions adopted by the Board of Education on December 8, 1909.

A. EMERSON PALMER, Secretary, Board of Education.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 14, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—The Commissioners of the Sinking Fund, at a meeting held June 9, 1909, acting on the request of the Board of Education, authorized a lease for a period of one year from July 1, 1909, from the Hebrew Educational Society, as an addition to a public school in the Borough of Brooklyn, certain premises at Pitkin avenue and Watkins street, in said Borough.

The Board of Education, at a meeting held December 8, 1909, adopted a resolution which, in substance, states that the premises are no longer required, and that the lessor has consented to the cancellation of the lease as of December 31, 1909, and requests the Commissioners of the Sinking Fund to consent to such cancellation. I therefore respectfully recommend that the Commissioners of the Sinking Fund adopt a resolution authorizing the cancellation of said lease as of December 31, 1909, and that all rent due under said lease be paid up to said date, when such cancellation is to take effect.

Respectfully submitted for approval,
MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.
Approved:
H. A. METZ, Comptroller.

Resolved, That the Commissioners of the Sinking Fund hereby consent to the cancellation of the lease of premises at Pitkin avenue and Watkins street, in the Borough of Brooklyn, occupied by the Board of Education, the lease of which expires July 1, 1910, said cancellation to take effect as of December 31, 1909.

The report was accepted and the resolution unanimously adopted.

The following was received from the Board of Education turning over to the Commissioners of the Sinking Fund, as no longer required, the leased premises Nos. 63 and 65 New York avenue, in the Borough of Brooklyn:

December 9, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

DEAR SIR—I beg to advise you that at a meeting of the Board of Education, held on the 8th inst., the premises Nos. 63 and 65 New York avenue, Borough of Brooklyn, occupied as an annex to Public School 41, the lease of which will expire on July 1, 1910, were turned over to the Commissioners' of the Sinking Fund for such action as may be deemed advisable.

Respectfully yours,
A. EMERSON PALMER, Secretary, Board of Education.

Whereas, A communication has been received from the Board of Superintendents stating that the premises Nos. 63 and 65 New York avenue, Borough of Brooklyn, occupied as an annex to Public School 41, will not be required further for school purposes, and recommending that the furniture be removed and the premises vacated; and

Whereas, The lease of these premises will not expire until July 1, 1910; therefore be it

Resolved, That the premises Nos. 63 and 65 New York avenue, Borough of Brooklyn, be and they are hereby turned over to the Commissioners of the Sinking Fund until the expiration of the lease thereof on July 1, 1910, for such action as may be deemed advisable; and be it further

Resolved, That the Commissioners of the Sinking Fund be and they are hereby requested to notify the Department of Education when possession is taken of these premises by the said Commissioners.

A true copy of preamble and resolutions adopted by the Board of Education on December 8, 1909.

A. EMERSON PALMER, Secretary, Board of Education.

In connection therewith the Comptroller presented the following report and offered the following resolution:

December 14, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—At a meeting of the Commissioners of the Sinking Fund, held April 1, 1908, a resolution was adopted at the request of the Board of Education recommending a lease of the premises Nos. 63 and 65 New York avenue, Borough of Brooklyn, for the use of the Board of Education, for a period of two years from July 1, 1908, to July 1, 1910, at an annual rental of $2,500.

The Board of Education, at a meeting held December 8, 1909, notifies the Commissioners of the Sinking Fund that the school annex will not be required for school purposes and recommends that the furniture be removed and the premises vacated, and the Board of Education, by resolution adopted that day, turns over to the Commissioners of the Sinking Fund until the expiration of the lease, or from now until July 1, 1910, the premises in question, for such action as the Commissioners of the Sinking Fund may deem advisable.

I would respectfully recommend that the Commissioners of the Sinking Fund place the communication on file and request the Comptroller, through his Bureau of City Revenue and of Markets, to collect such revenue as may be derived therefrom until the expiration of the lease on July 1, 1910, and further request the Comptroller to ascertain if some arrangement can be made with the owner of the property whereby he will agree to the surrender and cancellation of the lease.

I would further suggest that the Commissioners of the Sinking Fund direct the Secretary to communicate with the Board of Education requesting that in future requests for leases care should be taken to determine with more accuracy the length of time the Board of Education will require the premises, as under the present lease failure to rent the same involves a loss to the City of $1,450.

Respectfully submitted for approval,
MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.
Approved:
H. A. METZ, Comptroller.

Whereas, The Board of Education having turned over to the Commissioners of the Sinking Fund the leased premises Nos. 63 and 65 New York avenue, in the Borough of Brooklyn, the lease of which expires July 1, 1910; it is

Resolved, That the Comptroller be and is hereby requested to direct the Bureau of City Revenue to collect such revenue therefrom as may be derived until the expiration of the lease, July 1, 1910, and also to ascertain if some arrangement can be made with the owner whereby he will agree to the surrender, and cancellation of the lease.

The report was accepted and the resolution unanimously adopted.

The Comptroller presented the following report and offered the following resolution, relative to the approval by the Commissioners of the Sinking Fund, of a form of deed by the United Bank Note Corporation of The City of New York, covering land in New Baretto street, in the Borough of The Bronx:

December 11, 1909.

Hon. HERMAN A. METZ, *Comptroller:*

SIR—The Board of Estimate and Apportionment at a recent meeting adopted a resolution changing the map or plan of The City of New York by closing a street formerly known as Baretto street in the Borough of The Bronx, and adopted a resolution opening a new Baretto street. The resolution is now before his Honor the Mayor, for signature, but will not be approved by him until the approval by the Commissioners of the Sinking Fund of the deed of the United Bank Note Corporation, covering the land in the new Baretto street, which, it was understood at the time the City was to exchange the land in old Baretto street for the land in the new Baretto street.

Accompanying this report is a communication from Sullivan & Cromwell and the proposed form of deed of the United Bank Note Company, approved by the Corporation Counsel as to form, which deed when executed will convey to the City the land in the new Baretto street.

I would respectfully recommend that the Commissioners of the Sinking Fund adopt a resolution approving the deed, and when approved, a certified copy of such action be transmitted to his Honor the Mayor, in order that he may approve of the original resolution of the Board of Estimate and Apportionment, closing old Baretto street, so that the Commissioners of the Sinking Fund may at a later meeting take up further action in regard to this exchange, in accordance with section 205-A of the amended Greater New York Charter.

Respectfully submitted for approval,
MORTIMER J. BROWN, Appraiser of Real Estate, Department of Finance.
Approved:
H. A. METZ, Comptroller.

This Indenture, made the day of , in the year 1909, between United Bank Note Corporation, a corporation organized and existing under the laws of the State of New York, party of the first part, and The City of New York, a municipal corporation organized and existing under the laws of the same State, party of the second part, witnesseth:

That the said party of the first part, in consideration of the sum of one dollar ($1), lawful money of the United States, in the former consideration of the conveyance to it by the said party of the second part of certain other lands, does hereby grant and release unto the said party of the second part, its successors and assigns forever, all that certain strip of land, situate, lying and being in the Borough of The Bronx, of The City of New York, and bounded and described as follows:

Beginning at a point in the northern line of Lafayette avenue distant 467.48 feet easterly from the intersection of said line with the eastern line of Tiffany street;

(1) Thence easterly along the northern line of Lafayette avenue for 58.79 feet:

(2) Thence northerly deflecting 96 degrees 26 minutes and 45 seconds to the left for 210.847 feet;

(3) Thence northerly deflecting 12 degrees 7 minutes and 15 seconds to the left for 246.276 feet;

(4) Thence northwesterly deflecting 27 degrees 21 minutes and 40 seconds to the left for 174.092 feet to the eastern line of Garrison avenue;

(5) Thence southwesterly along last mentioned line for 22.67 feet;

(6) Thence southerly deflecting 61 degrees 51 minutes and 20 seconds to the left for 81.238 feet;

(7) Thence southeasterly deflecting 27 degrees 21 minutes and 40 second to the left for 87.028 feet;

(8) Thence southerly deflecting 27 degrees 21 minutes and 40 seconds to the right for 225.30 feet;

(9) Thence southerly deflecting 12 degrees 7 minutes and 15 seconds to the right for 190.50 feet;

(10) Thence southerly for 7.54 feet to the point of beginning;

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold the above granted premises unto the said party of the second part, its successors and assigns forever.

And the said party of the first part does covenant with the said party of the second part as follows:

First—That the party of the first part is seized of the said premises in fee simple, and has good right to convey the same.

Second—That the party of the second part shall quietly enjoy the said premises.

Third—That the said premises are free from encumbrances.

Fourth—That the party of the first part will execute or procure any further necessary assurance of the title to said premises.

Fifth—That the party of the first part will forever warrant the title to said premises.

In witness whereof, the said party of the first part has caused its corporated seal to be hereunto affixed and these presents to be signed by its President, thereunto duly authorized, the day and year first above written.

In presence of:

UNITED BANK NOTE CORPORATION,
By EDMUND C. CONVERSE, President.

Attest:

....., Secretary.

State of New York, County of New York, ss.:

On this day of October, 1909, before me personally came Edmund C. Converse, to me known, who being by me duly sworn, did depose and say: That he resides in Greenwich, Connecticut; that he is the President of the United Bank Note

Corporation, the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument was such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that he signed his name thereto by like order.

Approved as to form:
G. L. STERLING, Acting Corporation Counsel.

Whereas, The Board of Estimate and Apportionment, at meeting held January 15, 1909, pursuant to the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest, changed the map or plan of The City of New York by closing Barretto street, between Garrison avenue and Lafayette avenue, in the Borough of The Bronx, in accordance with the map signed by the President of the Borough of The Bronx, and dated December 18, 1908, with instructions to the Secretary of the Board not to forward the resolution to the Mayor for his signature until a deed of the land within the proposed lines had been prepared in form satisfactory to the Corporation Counsel and to the Sinking Fund Commission; and

Whereas, Said deed having been prepared in form satisfactory to the Corporation Counsel, it is

Resolved, That the Commissioners of the Sinking Fund hereby approve of the form of said deed.

The report was accepted and the resolution unanimously adopted.

The following communication was received from the Comptroller requesting that the resolution assigning certain session laws in the custody of the Comptroller to the President of the Borough of Queens be rescinded:

DEPARTMENT OF FINANCE, CITY OF NEW YORK,
BUREAU OF MUNICIPAL INVESTIGATION AND STATISTICS,
December 9, 1909.

Hon. N. TAYLOR PHILLIPS, *Secretary, Commissioners of the Sinking Fund:*

DEAR SIR—In reply to your communication transmitting copy of resolution of the Commissioners of the Sinking Fund, directing that certain volumes of session laws in custody of the Bureau of Municipal Investigation and Statistics should be transmitted to the President of the Borough of Queens, I beg to say it is my judgment that said volumes should be retained by the Department of Finance as a supply from which missing volumes in the departmental library or the library of this Bureau may be replaced as needed.

In view of this fact I would respectfully suggest that the said resolution be rescinded.

Yours respectfully,
CHARLES S. HERVEY, Supervising Statistician and Examiner.

Approved:
H. A. METZ, Comptroller.

In connection therewith the Comptroller offered the following resolution:

Resolved, That the resolution adopted by this Board at meeting held December 2, 1909, assigning certain session laws in the custody of the Comptroller to the President of the Borough of Queens, be and the same is hereby rescinded.

Which resolution was unanimously adopted.

The following resolution was received from the Board of Estimate and Apportionment concurring in the action of the Commissioners of the Sinking Fund in authorizing an exchange of property owned by The City of New York on Middagh street, in the Borough of Brooklyn, formerly occupied by Public School 8, for property owned by John F. McNulty, on Poplar street, in the Borough of Brooklyn:

BOARD OF ESTIMATE AND APPORTIONMENT, CITY OF NEW YORK,
OFFICE OF THE SECRETARY, No. 277 BROADWAY,
December 9, 1909.

Hon. N. TAYLOR PHILLIPS, *Secretary, Commissioners of the Sinking Fund:*

DEAR SIR—I transmit herewith certified copy of resolution adopted by the Board of Estimate and Apportionment, December 3, 1909, approving of the exchange of property owned by The City of New York, on Middagh street, in the Borough of Brooklyn, formerly occupied by Public School No. 8, for property owned by John F. McNulty, on Poplar street, Brooklyn, in the rear of the City's property, etc.

Very truly yours,
WILLIAM M. LAWRENCE, Assistant Secretary.

Whereas, The Commissioners of the Sinking Fund, at a meeting held December 2 1909, adopted the following resolution:

"Whereas, The Commissioners of the Sinking Fund, at meeting held October 20, 1909, adopted the following:

"Whereas, The Police Commissioner, in a communication dated June 21, 1909, has transferred to the Commissioners of the Sinking Fund, as being no longer required for departmental purposes, all the land hereinafter described in the Borough of Brooklyn:

Beginning at a point on the northeasterly side of Middagh street, distant 65 feet 7 inches northwesterly from the northwesterly corner of Middagh and Henry streets; running thence northeasterly 100 feet 7 inches; running thence northwesterly 89 feet 9 inches; running thence southwesterly 100 feet 8 inches to the northeasterly side of Middagh street; running thence southeasterly along the northeasterly side of Middagh street 89 feet 9 inches to the point or place of beginning, be the said several dimensions more or less, the premises being old Public School 8, Borough of Brooklyn.

—"and makes application that the following described property be acquired by the City in exchange for lands transferred to the Commissioners of the Sinking Fund:

Beginning at a point on the southwesterly side of Poplar street, distant 85 feet 7 inches northwesterly from the southwesterly corner of Poplar and Henry streets, and running thence northwesterly along the southwesterly side of Poplar street 132 feet 4 inches; running thence southwesterly 100 feet 9 inches; running thence southeasterly 132 feet 4 inches to a point in said line which is distant 87 feet 2 inches from Henry street, and running thence northeasterly 100 feet 7 inches to the point or place of beginning.

—"therefore be it

"Resolved, That, in accordance with the provisions of section 205a of the Greater New York Charter as amended, the Commissioners of the Sinking Fund determine that the land turned over by the Police Commissioner and hereinbefore described is no longer needed for departmental purposes, and they further determine that the lands of private owners herein in this resolution described are needed for public purposes; it is therefore

"Resolved, That to determine the value of the land of the City hereinbefore described and the land of John F. McNulty, to be exchanged therefor, the Commissioners of the Sinking Fund hereby appoint George W. Chauncey, of the D. & M. Chauncey Company, of No. 187 Montague street, Brooklyn; Herman Blumenau, No. 161 Smith street, Brooklyn, and Robert L. Anderson, of No. 406 Broadway, Brooklyn, three discreet and disinterested appraisers, residing in the Borough of Brooklyn, who are hereby authorized and directed to appraise the value of the land owned by the City and the land owned by John F. McNulty, which it is proposed to exchange, and which is hereinabove described; and

"Whereas, The said appraisers have submitted the following:

George W. Chauncey.

Value of the property owned by John F. McNulty on Poplar street..	$29,000 00
Value of the property owned by The City of New York on Middagh street	28,400 00

Herman Blumenau.

Value of the property owned by John F. McNulty on Poplar street..	29,040 00
Value of the property owned by The City of New York on Middagh street	27,900 00

Robert L. Anderson.

Value of the property owned by John F. McNulty on Poplar street..	29,106 00
Value of the property owned by The City of New York on Middagh street	28,929 00

—"therefore be it

"Resolved, That, pursuant to the provisions of section 205a of the amended Greater New York Charter, the Commissioners of the Sinking Fund, by unanimous vote, subject, however, to the approval of the Board of Estimate and Apportionment hereby authorize a conveyance to John F. McNulty of the hereinabove described property owned by The City of New York, in consideration of a conveyance by John F. McNulty to The City of New York, of the property owned by the said John F. McNulty in the Borough of Brooklyn, which is also hereinabove described, free and clear of all incumbrances, including taxes, assessments, water charges and sales for the same; and be it further

"Resolved, That when these resolutions and action of the Commissioners of the Sinking Fund have been approved by the Board of Estimate and Apportionment, the Corporation Counsel be and is hereby requested to prepare the legal instruments on the part of The City of New York to effect such exchange, and upon said instrument having been prepared and approved as to form by the Corporation Counsel and approved by the Comptroller of The City of New York, it shall be the duty of the Mayor of The City of New York to execute, the City Clerk to attest and the Comptroller to deliver to John F. McNulty the deed of the property owned by The City of New York upon receiving at the same time the deed of the property owned by John F. McNulty.

Resolved, That the Board of Estimate and Apportionment, in accordance with the provisions of section 205a of the Greater New York Charter, hereby approves of the above resolution and the action of the Commissioners of the Sinking Fund and consents to the exchange of the above described property.

A true copy of resolution adopted by the Board of Estimate and Apportionment December 3, 1909.

WILLIAM M. LAWRENCE, Assistant Secretary.

Which was ordered filed.

The following communication was received from the Commissioner of Docks recommending a lease of the outer end of the Recreation Pier at the foot of West One Hundred and Twenty-ninth street, Borough of Manhattan, to Eben E. Olcott:

October 19, 1909.

Hon. GEORGE B. MCCLELLAN, *Mayor and Chairman of the Commissioners of the Sinking Fund:*

SIR—Subject to the approval of the Commissioners of the Sinking Fund, I have agreed to lease to Eben E. Olcott, all and singular the wharfage which may arise, accrue or become due in the manner and at the rate prescribed by law at the outer end of the pier foot of West One Hundred and Twenty-ninth street, Borough of Manhattan, as extended to the pierhead line of 1890, together with twenty feet on the north side and twenty feet on the south side of said pier extending inshore from the outer end thereof, together with the use of the surface of said pier for a distance of 175 feet from the outer end thereof, excepting however all structures, closets, etc., forming part of the recreation structure on said pier, the said premises to be leased being those portions of said pier colored red on the diagram to be annexed to the lease.

The lease is to be for a term of ten years from the date of the completion of the extension to said pier, at a rental of $6,412.50 per annum, payable quarterly in advance to the office of this Department with the privilege of renewal for a further term of ten years at an advance of 10 per cent. on the rental for the first term.

The lessee is to have the privilege of erecting upon that portion of the pier extended outshore of the recreation structure, a shed, said shed to be erected in such manner as to conform in architectural design to the recreation structure now on said pier, the plans for said shed to be approved by the Art Commission of The City of New York, and the shed structure to be erected in accordance with plans and specifications to be approved by the Commissioner of Docks. The erection of the shed is to be under the direction and supervision of the Chief Engineer of the Department of Docks and Ferries, and said shed is to revert to and become the property of The City of New York at the expiration or sooner termination of the lease.

Mr. Olcott, the proposed lessee, is the president of the Hudson River Day Line and has been the lessee of this pier since August, 1902. The rental for the first five years of his lease was $3,000 per annum, with privilege of renewal for a further term of five years at an advance in rental of 20 per cent. on the rental for the first term. The renewal term under which the lessee is now holding, expires July 1, 1912.

Owing to the fact that the ferry company, which occupies the premises immediately north of the pier, has extended its ferry racks, it is necessary that the pier be extended outshore a distance of about 75 feet to the pierhead line, established in 1890. The work of extension the Department proposes to commence at once and push to completion as rapidly as possible during the winter season.

It is understood and agreed that the lease shall be of no force or effect unless the present lessee, Mr. Eben E. Olcott, shall file in this Department a written agreement to cancel the existing lease upon the commencement of the new lease and agree that no claim or demand by way of reduction of rent or otherwise shall be made or allowed in consequence of any work which the Department may do or cause to be done in connection with the extension of the present pier to the pierhead line.

The lease is for the outer 171 feet of the surface of the pier, leaving the inshore portion of the pier available for general excursion business. The 20 feet on the north and south sides which are included in the lease are added for the purpose of enabling the steamboat company to control this space which is required for swinging their boats in and out.

Very respectfully,
ALLEN N. SPOONER, Commissioner of Docks.

This rental is at the annual rate of sixty-two and one-half (62½) cents per square foot of pier, without shed, and is the highest rental paid for any similar property in the neighborhood.

I would recommend that the lease be made as proposed by the Commissioner of Docks and Ferries.

Respectfully,
H. A. METZ, Comptroller.

The Committee, to whom this matter was referred at meeting held November 1909, presented the following report and offered the following resolution:

NEW YORK, December 15, 1909.

Hon. GEORGE B. MCCLELLAN, *Mayor and Chairman of the Sinking Fund Commissioners*
City Hall, New York City:

SIR—Your Committee to whom was referred on November 18, 1909, the matter of the lease to Eben E. Olcott of the outer end of the pier at the foot of West Twenty-ninth street, Borough of Manhattan, beg leave to report:

The question of the right of the City to lease a recreation pier, or any part thereof, having been raised, and protests against the lease having been filed with your Committee, the matter was referred to the Corporation Counsel with the request that an opinion be rendered as soon as possible. A copy of said opinion is herewith attached and made a part of this report.

Your Committee is of the opinion that the citizens in the upper part of the City should have the accommodations which the leasing of this pier would provide for the landing of passengers. Very few facilities are provided in that section of the City for either passengers or freight, and unless provision is made passengers coming from or going to Albany or Troy will be obliged to travel a long distance in order to make the proper connections and long hauls for merchandise would be inevitable.

Those shipping or receiving freight, and particularly perishable freight, should have the same facilities afforded them as those engaged in building operations, and your Committee believes that the matter should receive very careful consideration by the Sinking Fund Commission and the Commissioner of Docks.

Your Committee therefore recommends that the lease be granted in accordance with the terms submitted by the Commissioner of Docks.

Respectfully submitted,
P. F. McGOWAN, President of the Board of Aldermen.

CITY OF NEW YORK, LAW DEPARTMENT,
OFFICE OF THE CORPORATION COUNSEL,
NEW YORK, December 9, 1909.

Hon. PATRICK F. McGOWAN, *President, Board of Aldermen:*

SIR—I am in receipt of your communication under date of December 2, 1909, relative to an application made by the Hudson River Day Line for a lease of the outer end of the pier at the foot of West One Hundred and Twenty-ninth street.

You state as follows, to wit:

"This is a recreation pier and seems to involve the question of whether or not the City has the right to rent recreation piers or any part of them for any purpose.

"Will you kindly give me an opinion in the matter as soon as possible."

In reply I would state that the question submitted by you was passed upon by former Corporation Counsel John Whalen in a communication to the Board of Docks dated March 17, 1898, a copy of which I herewith transmit.

I have examined the subject to ascertain whether any change had been made in the provisions of said section since such opinion was rendered which would necessitate a modification of the conclusions expressed therein.

No such change has been made by the Legislature, and I, therefore, concur in the conclusions arrived at by the former Corporation Counsel.

Respectfully yours,
F. K. PENDLETON, Corporation Counsel.

CITY OF NEW YORK, LAW DEPARTMENT,
OFFICE OF THE CORPORATION COUNSEL,
NEW YORK, March 17, 1898.

To the Board of Docks:

SIRS—I am in receipt of a communication from your Secretary, under date of March 5, 1898, in which it is stated that "section 837 of the Charter provides that the lower story of piers set apart for recreation purposes, 'shall be open to use to boats and vessels plying upon the canals, rivers and lakes of this State which may bring merchandise to the City for sale therein.'"

I am requested to advise the Board upon the following questions, to wit:

First—In case the lower stories of piers set apart for recreation purposes are not required for berths for freight vessels plying upon the waters of this State, can permission legally be granted to passenger boats to land thereat.

Second—Whether this provision prohibits the leasing of the right to collect wharfage on the lower story of recreation piers, providing such lease is made subject to the provisions of the section quoted.

In reply to the first question, I see no legal objection to the granting of permission to passenger boats to land at the piers set apart for recreation purposes so long as the same are not required for berths for freight vessels plying upon the waters of this State.

In reply to the second question, it seems to me that it is the duty of the Board of Docks that the wharf property of the City should be used in the manner most advantageous to the interests of the City, and that the largest rental should be obtained by the Board of Docks for the use of such wharf property consistent with the retention in the City of commercial interests.

It is a well known fact that property leased for a term of years produces more income than property occupied at will or during the pleasure of the landlord.

Section 825 of the Greater New York Charter provides as follows:

"Sec. 825. * * * Said board of docks may, in the name of and for the benefit of the corporation of the city of New York, lease any or all such property, *and any and all wharf property belonging to the city of New York* as constituted by this act, for a term not exceeding ten years, and covenant for renewals of ten years each, but not exceeding in the aggregate fifty years." * * *

The Board of Docks is by said act vested with power to lease any and all wharf property belonging to The City of New York for terms of ten years with covenants of renewals of ten years not exceeding in the aggregate fifty years.

Section 837 provides that "the said piers on the lower stories thereof shall be open to use to boats and vessels plying upon canals, rivers and lakes of this state which may bring merchandise to the city for sale therein."

While this language, in my opinion, is mandatory, I do not think that the Legislature intended to compel the City or the Board of Docks to keep the lower stories of such piers vacant, when not required by the vessels plying on the waters of this State and thus deprive the City of revenue for the use of the same when not so required.

Discretion is vested in the Board of Docks by the provisions of said section as to the positions to be occupied by such boats and vessels at said piers.

I am therefore of the opinion that the provisions of this latter section do not prohibit the Board of Docks from leasing the right to collect wharfage on the lower story of recreation piers, providing such lease contains a proper reservation for berths, at such piers, for the boats and vessels described in said sections whenever required.

Yours respectfully,
JOHN WHALEN, Corporation Counsel.

Resolved, That the Commissioners of the Sinking Fund hereby approve of and consent to the execution, by the Commissioner of Docks, of a lease to Eben E. Olcott, of all and singular the wharfage which may arise, accrue or become due in the manner and at the rate prescribed by law, at the outer end of the pier foot of West One Hundred and Twenty-ninth street, Borough of Manhattan, as extended to the pierhead line of 1890, together with the 20 feet on the north side and 20 feet on the south side of said pier, extending inshore from the outer end thereof, together with the use of the surface of said pier for a distance of 171 feet from the outer end thereof, excepting, however, all structures, closets, etc., forming part of the recreation structure on said pier, the said premises to be leased being those portions of said pier colored red on the diagram to be annexed to the lease. The lease to be for a term of ten years from the date of the completion of the extension to said pier, at a rental of six thousand four hundred and twelve dollars and fifty cents ($6,412.50) per annum, payable quarterly in advance at the office of the Department of Docks and Ferries, with the privilege of a renewal for a further term of ten years, at an advance of 10 per cent. on the rental for the first term. The lessee to have the privilege of erecting upon that portion of the pier as extended outshore of the recreation structure, a shed, said shed to be erected in such manner as to conform in architectural design to the recreation structure now on said pier, the plan for said shed to be approved by the Art Commission of The City of New York, and the shed structure to be erected in accordance with plans and specifications to be approved by the Commissioner of Docks. The erection of the shed is to be under the direction and supervision of the Chief Engineer of the Department of Docks and Ferries, and said shed is to revert to and become the property of The City of New York at the expiration or sooner termination of the lease. The lease to be of no force or effect unless the present lessee, Mr. Eben E. Olcott, shall file with the Department of Docks and Ferries a written agreement to cancel the existing lease upon the commencement of the new lease, and also that no claim or demand by way of reduction of rent or otherwise shall be made or allowed in consequence of any work which the Department may do or cause to be done in connection with the extension of the present pier to the pierhead line, and as recommended by the Commissioner of Docks in communication dated October 19, 1909.

The report was accepted and the resolution unanimously adopted.

The following communication was received from the Commissioner of Docks, recommending a lease of the easterly side, outer end and surface of Pier 27, East River, together with shed thereon, to the New England Navigation Company:

October 27, 1909.

Hon. GEORGE B. McCLELLAN, *Mayor, and Chairman of the Commissioners of the Sinking Fund:*

DEAR SIR—After due consideration, I am of the opinion that the interests of the City would be best served by the granting of a lease to the New England Navigation Company of the easterly side, outer end and surface of Pier 27, East River, together with the shed thereon, for a term of ten years from December 1, 1909, at a rental of $22,500, with privilege of renewal for a further term of ten years at an advance in rental of 10 per cent. over the rental for the first term.

The lease shall provide that the lessee shall at all times during said term make such repairs and do such painting to the wharf property and structures thereon, or to be erected thereon, as may be necessary; that the lessee shall do all dredging, and in all other respects the terms and conditions of the lease shall be similar to those contained in leases of wharf property now used by this Department, copy of which may be seen and examined at the office of the Department, Pier "A," Battery place.

Pier (new) 27, East River, was completed in 1899 on the site of Pier (old) 35, and by an indenture dated December 14, 1899, was leased to the Joy Steamship Company for a term of ten years from December 1, 1899, at an annual rental of $15,000. This steamship company has now gone out of existence and the premises have been in use by the proposed lessee for some time. The rental provided in the new lease is an advance of 50 per cent. over the rental provided for in the lease which expires December 1, 1909.

Yours respectfully,
ALLEN N. SPOONER, Commissioner.

The rental suggested being fair, I would advise that the lease be made as proposed by the Commissioner of Docks and Ferries.

Respectfully,
H. A. METZ, Comptroller.

The Committee, to whom this matter was referred at meeting held November 18, 1909, presented the following report and offered the following resolution:

NEW YORK, December 7, 1909.

Hon. GEORGE B. McCLELLAN, *Mayor, and Chairman of the Sinking Fund Commission,*
City Hall, New York:

SIR—Your Committee, to whom was referred on November 18, 1909, a communication from the Commissioner of Docks and Ferries recommending a lease to the New England Navigation Company of the easterly side, outer end and surface of Pier 27, East River, together with the shed thereon, for a term of ten years from December 1, 1909, at a rental of twenty-two thousand five hundred dollars ($22,500), with the privilege of renewal for a further term of ten years at an advance in rental of 10 per cent. over the rental for the first term, respectfully submits:

That the rental proposed by the Commissioner of Docks and Ferries would seem to be a fair and reasonable rental and that the lease recommended by the Commissioner of Docks and Ferries be approved.

Respectfully submitted,
P. F. McGOWAN, President of the Board of Aldermen.
H. A. METZ, Comptroller;
JAMES J. MARTIN, City Chamberlain.

Resolved, That the Commissioners of the Sinking Fund hereby approve of and consent to the execution, by the Commissioner of Docks, of a lease to the New England Navigation Company of the easterly side, outer end and surface of Pier 27, East River, together with the shed thereon, for a term of ten years from December 1, 1909, at a rental of twenty-two thousand five hundred dollars ($22,500), with privilege of renewal for a further term of ten years at an advance in rental of 10 per cent. over the rental for the first term. The lease to provide that the lessee shall at all times during said term make such repairs and do such painting to the wharf property and structures thereon or to be erected thereon as may be necessary; that the lessee shall do all dredging and in all other respects the terms and conditions of the lease shall be similar to those contained in leases of wharf property now in use by the Department of Docks and Ferries, and as recommended by the Commissioner of Docks in communication dated October 27, 1909.

The report was accepted and the resolution unanimously adopted.

The Committee to whom was referred the matter of the request of the Commissioner of Docks that the Commissioners of the Sinking Fund approve of the assignment, designation and reservation for general wharfage purposes of Pier 33, East River, presented the following report and offered the following resolution (see minutes, 1908, page 1387):

NEW YORK, December 9, 1909.

Hon. GEORGE B. McCLELLAN, *Mayor, and Chairman of the Sinking Fund Commission,*
City Hall, New York:

SIR—Your Committee, to whom was referred on November 18, 1909, No. 3 on the calendar, being a report of the Select Committee to whom was referred at a meeting held on December 9, 1908, the request of the Commissioner of Docks and Ferries relative to the designation of Pier 33, East River, for general wharfage purposes, and also No 4 on the calendar, being communication from the Chairman of the Committee on Piers and Bulkheads of the Maritime Association, transmitting copy of resolution adopted at a meeting of the various commercial organizations of The City of New York held at the Maritime Exchange on October 28, 1909, relative to "an open pier between Chambers street and the Battery on the North River," respectfully reports:

That at the suggestion of your Chairman a meeting of twelve different commercial bodies interested in the shipping business was called for the 16th of November for the purpose of recommending to the Dock Commissioner and the members of the Sinking Fund Commission open piers on the East and North rivers.

Your Committee has received a communication from the president of the Maritime Association asking the Sinking Fund Commissioners "to decline the granting of any leases in the Borough of Manhattan, of any wharfage room that is now being used for general wharfage purposes, or any wharfage space that may be made available by the expiration of existing lease. We have more particularly in mind at this writing those piers that the commercial organizations had been deeply interested in having protected and held as open piers, namely, Pier 33, East River; Pier 36, East River; Pier 37, East River; Pier (new) 27, East River, and pier at the foot of One Hundred and Thirty-first street, North River."

In deciding this question your Committee must take into consideration not only the very decided loss of revenue to be derived from the piers enumerated above, but the probable placing of an increased burden upon the taxpayers for the benefit of a favored few. So very few City Departments are self-sustaining that if the policy of setting aside a large number of open piers obtained, the Dock Department would soon become a heavy burden upon the taxpayers, instead of a department of revenue, as at present.

If the suggestion of the Chairman of the Committee that various associations recommend to the Sinking Fund Commissioners and the Dock Commissioner the piers that they desire to have designated as public piers, and these designations are made so as to provide sufficient distributing points for all kinds of merchandise and materials, some understanding might be effected by which the revenue of the City could be protected and the interests of these several organizations served at the same time.

We believe it would be unwise to have open piers so near together. Piers 33, 36, 37 and 27, on the East River, would only meet the demands of the shippers in that locality, and your Committee is of the opinion that these designations for public piers should cover more extended territory than that indicated by the piers referred to.

Until the associations have made their recommendations, this Committee cannot take up and consider the great, comprehensive question involved, but are ready and willing to co-operate with the associations at their convenience.

Pending this information, we would suggest that Pier 33, East River, be set aside as an open pier, and so recommend.

Respectfully submitted,

P. F. McGOWAN, President of the Board of Aldermen;
H. A. METZ, Comptroller;
JAMES J. MARTIN, City Chamberlain.

Resolved, That the Commissioners of the Sinking Fund, in accordance with the provisions of section 867a of the Greater New York Charter, hereby approve of the assignment, designation and reservation for general wharfage purposes, by the Commissioner of Docks, of Pier 33, East River, or Rutgers Slip Pier West, between Pike slip and Rutgers slip.

The report was accepted and the resolution unanimously adopted.

Adjourned.

N. TAYLOR PHILLIPS, Secretary.

POLICE DEPARTMENT.

December 7, 1909.

The following proceedings were this day directed by Police Commissioner William F. Baker:

Ordered, That the following probationary Patrolmen, having qualified, are hereby appointed Patrolmen in the Police Department of The City of New York, to take effect December 7, 1909:

Louis A. Bahrenburg, Frederick J. Bell, James E. Britt, Dennis F. Brown, George W. Brown, Daniel A. Buckley, Timothy G. Cloonan, James J. Collins, William F. Denice, Adolph Drescher, Charles Frayler, Samuel S. Fuchs, Thomas J. Gillen, James M. Gordon, Jr., William C. Hall, Albert J. Jenkins, Samuel H. Johnson, Peter Kilian, Jr., Benjamin F. King, John J. Leahy, Alfred R. Ludwig, John A. Lyons, Thomas Mills, Richard W. Morano, Thomas F. Mulhall, Edward A. A. Murphy, James J. McKenna, Edgar McQuade, Frank Nekola, Richard F. Oliver, Lester L. Pendleton, George N. Quattlander, Charles A. Rayfield, Gustave Schley, Charles Siefert, Axel J. Swenson, John A. Walsh, Raymond D. Waterbury, Harry J. Welsh, Max Widmer, Barton T. Wilson, Joseph C. Vance, David Zimms.

It appearing that Michael Curtin, a Hostler in the Police Department, having failed to appear as directed at No. 300 Mulberry street, Borough of Manhattan, New York City, at 10.30 a. m., Monday, November 29, 1909, to answer a charge preferred against him of physical incapacity for performing the duties of Hostler, which said charge, in writing, was served upon him on the 23d day of November, 1909, and also, from the evidence adduced before the Police Commissioner November 29, 1909, it appearing to his satisfaction that the said Michael Curtin is physically incapacitated from performing the duties of Hostler in the Police Department,

Ordered, That Michael Curtin, Hostler in the Police Department, be and is hereby dismissed from such employment.

Referred to the Comptroller.

Schedule of vouchers, Police Department Fund (Sites and Buildings), $10,460.

Granted.

Permission to Benjamin Mallam and Eugene C. Casey, Sergeants, Headquarters Squad, to accept reward of $20 from the Mutual Bank, Broadway and Thirty-third street, Manhattan, for arrest of one Mallory; with usual deduction.

Disapproved.

Application of International Detective Bureau, No. 309 Broadway, Manhattan, for appointment of Walter J. O'Neill as special patrolman.

Runner Licenses Granted.

James P. Burns, No. 540 Henry street, Brooklyn, from November 18, 1909, to November 17, 1910; fee, $12.50; bond, $300.

Frank Dini, No. 173 Bleecker street, Manhattan, from November 15, 1909, to November 14, 1910; fee, $20; bond, $300.

Masquerade Ball Permits Granted.

J. Connor, Twelfth Regiment armory, Manhattan, December 4; fee, $25.
M. J. Voli, Alhambra Hall, December 4; fee, $10.
W. H. Field, Manhattan Casino, Manhattan, December 7; fee, $25.
S. J. Goldsmith, Majestic Hall, Manhattan, December 9; fee, $10.
A. F. Bittel, Manhattan Casino, Manhattan, December 11; fee, $25.
S. Friedman, Harmel Arcade, Manhattan, December 11; fee, $10.
M. Kanner, Lenox Assembly Rooms, Manhattan, December 18; fee, $10.
S. J. Goldsmith, Majestic Hall, Manhattan, December 18; fee, $10.
S. Feinberg, Progress Assembly Rooms, Manhattan, December 18; fee, $25.
M. Greenwald, Arlington Hall, Manhattan, December 25; fee, $25.
S. J. Goldsmith, Majestic Hall, Manhattan, December 25; fee, $10.
S. J. Goldsmith, Majestic Hall, Manhattan, December 31; fee, $10.
W. Flatz, Ebling's Casino, The Bronx, December 11; fee, $25.
A. Obert, Turn Hall, Brooklyn, December 4; fee, $10.
A. Freedman, Liederkranz Hall, Brooklyn, December 10; fee, $10.
N. Switzkey, Liederkranz Hall, Brooklyn, December 11; fee, $10.
N. Switzkey, Liederkranz Hall, Brooklyn, December 24; fee, $10.
F. Hettinger, Broadway Hall, Queens, December 11; fee, $10.
P. J. Cahill, German Club Rooms, Richmond, December 18; fee, $10.

On File, Send Copy.

Report of Lieutenant in command of Boiler Squad, dated December 6, 1909, relative to engineers' licenses granted. For publication in the CITY RECORD.

Special Order No. 343, issued this day, is hereby made part of the proceedings of the Police Commissioner.

Special Order No. 343.

The following probationary Patrolmen, having qualified as Patrolmen, are this day appointed and temporarily assigned to the School for Recruits:

Louis A. Behrenburg, Frederick J. Bell, James E. Britt, Dennis F. Brown, George W. Brown, Daniel A. Buckley, Timothy G. Cloonan, James J. Collins, William F. Denice, Adolph Drescher, Charles Frayler, Samuel S. Fuchs, Thomas J. Gillen, James M. Gordon, Jr., William C. Hall, Albert J. Jenkins, Samuel H. Johnson, Peter Kilian, Jr., Benjamin F. King, John J. Leahy, Alfred R. Ludwig, John A. Lyons, Thomas Mills, Richard W. Morano, Thomas F. Mulhall, Edward A. A. Murphy, James J. McKenna, Edgar McQuade, Frank Nekola, Richard F. Oliver, Lester L. Pendleton, George N. Quattlander, Charles A. Rayfield, Gustave Schley, Charles Siefert, Alex. J. Swenson, John A. Walsh, Raymond D. Waterbury, Harry J. Welsh, Max Widmer, Barton T. Wilson, Joseph C. Vance, David Zimms.

The following resignation is hereby accepted:

Patrolman Oscar G. Friedrich, One Hundred and Forty-ninth Precinct, to take effect 10.35 a. m., December 7, 1909.

The following transfers are hereby ordered, to take effect 8 p. m., December 8, 1909:

Patrolmen John E. Mesle, from One Hundred and Forty-seventh Precinct to Brooklyn Borough Headquarters Squad, duty on motorcycle in plain clothes; William Carey, from Sixteenth Precinct to One Hundred and Sixty-second Precinct.

The following temporary assignments are hereby ordered:

Inspector James E. Hussey, Sixth Inspection District, assigned to command Fifth Inspection District, in addition to his own district during absence of Inspector George F. Titus, for eighteen hours, from 8 a. m., December 9, 1909.

Lieutenant Richard G. Duffy, One Hundred and Seventy-second Precinct, assigned to command precinct, during absence of Acting Captain on vacation and special leave, from 12.01 a. m., December 9, 1909.

Sergeant John M. Thompson, Twenty-fifth Precinct, assigned as Acting Lieutenant in precinct, during absence of Lieutenants on special leave, for twenty-four hours.

Patrolmen Jacob Hesch, Seventy-fourth Precinct, assigned to Seventh Inspection District, duty in plain clothes, during absence of Patrolman John Dwyer on vacation, from 12.01 a. m., December 8, 1909; Frederick Niebuhr and Thomas J. Brady, One Hundred and Forty-ninth Precinct, assigned to Eight Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 6, 1909; Otto Bohmke, One Hundred and Sixty-ninth Precinct, and Richard Steward, One Hundred and Fifty-third Precinct, assigned to Brooklyn Borough Headquarters Squad, duty in plain clothes, in Borough Inspector's office, for ten days, from 8 p. m., December 6, 1909; Matthew Leonard, One Hundred and Sixty-fifth Precinct, assigned as Acting Doorman in precinct, during absence of Doorman Charles W. Nash on sick leave, from 8 a. m., December 3, 1909; Simon Heher, One Hundred and Fifty-fourth Precinct, assigned to Ninth Inspection District, duty in plain clothes, for ten days, from 8 a. m., December 7, 1909.

The following temporary assignments are hereby discontinued:

Patrolmen Timothy F. Grady, One Hundred and Fifty-seventh Precinct, and John Gardiner, One Hundred and Forty-ninth Precinct, to Eighth Inspection District, from 8 p. m., December 6, 1909.

The following members of the Force are excused for eighteen hours as indicated:

Inspector George F. Titus, Fifth Inspection District, from 8 a. m., December 9, 1909, with permission to leave city.

Captains Michael J. Galvin, Sixth Precinct, from 10 a. m., December 8, 1909; William F. Day, Ninth Precinct, from 8 a. m. December 9, 1909; Martin Handy, Thirteenth Precinct, from 1.30 p. m., December 9, 1909, with permission to leave city; James Kane, Eighteenth Precinct, from 12 noon, December 8, 1909; James H. Post, Twenty-sixth Precinct, from 6 p. m., December 24, 1909, with permission to leave city; Edward P. Hughes, Thirty-first Precinct, from 12 noon, December 18, 1909, with permission to leave city; William F. Fennelly, One Hundred and Forty-ninth Precinct, from 11 a. m., December 7, 1909; Lawrence J. Murphy, One Hundred and Fifty-first Precinct, from 12 noon, December 8, 1909; Stephen O'Brien, One Hundred and Fifty-ninth Precinct, from 3 p. m., December 6, 1909, with permission to leave city; Thomas Cullen, One Hundred and Fifty-sixth Precinct, from 12 noon, December 9, 1909; John Dulfer, One Hundred and Sixty-seventh Precinct, from 8 a. m., December 9, 1909, with permission to leave city.

Acting Captains James J. Savage, One Hundred and Forty-seventh Precinct, from 2 p. m., December 9, 1909, with permission to leave city; George G. Farr, One Hundred and Seventy-second Precinct, from 6 a. m., December 8, 1909, with permission to leave city.

The following leaves of absence are hereby granted with full pay:

Patrolmen Thomas J. Nosky, One Hundred and Sixty-third Precinct, for three days, from 12.01 a. m., December 4, 1909; John Bodkin, One Hundred and Seventy-third Precinct, for three days, from 12.01 a. m., December 5, 1909.

The following leaves of absence are hereby granted without pay:

Lieutenants Thomas J. Crystal, Detective Bureau, Manhattan, for one-half day, from 8 a. m., December 7, 1909; James A. Cooper, One Hundred and Fifty-sixth Precinct, for two days, from 8 a. m., December 6, 1909.

Patrolmen James J. Hendry, One Hundred and Fifty-seventh Precinct, for one and one-half days, from 12 noon, December 4, 1909; Charles W. Linkletter, One Hundred and Fiftieth Precinct, for one day, from 12.01 a. m., December 7, 1909.

The following advancements to grade are hereby ordered:

The grade checks for the following named Patrolmen will be ready December 27, 1909. Commanding officers will see that the Patrolmen named call at the office of the City Paymaster within one month from that date.

To $1,350 Grade, November 3, 1909—James E. Nolan, Fourteenth Precinct; William G. Dwyer, Twenty-first Precinct; Otto L. Sauer, Twenty-eighth Precinct; John J. Thompson, Thirty-second Precinct; John P. Schaefer, One Hundred and Forty-third Precinct; Frank Heslin, One Hundred and Sixty-first Precinct; Patrick Cudmore, One Hundred and Sixty-ninth Precinct; Charles A. Walsh, One Hundred and Seventy-third Precinct; William Nevins, Two Hundred and Seventy-fourth Precinct; William E. Barrett, Two Hundred and Ninetieth Precinct; William J. Haskins, Detective Bureau, Manhattan; John F. Manning, Detective Bureau, Brooklyn; Richard L. Sangunitto, Detective Bureau, Brooklyn; John Gibs, Detective Bureau, Manhattan.

To $1,350 Grade, November 10, 1909—Patrick Cullinan, Fourteenth Precinct; John Healy, Twenty-second Precinct; Daniel Reynolds, Twenty-ninth Precinct; Dietrich Vehrenkamp, Thirty-second Precinct; Harry McGough, Thirty-third Precinct; John F. O'Keefe, Thirty-sixth Precinct; Patrick J. Whelan, Fortieth Precinct; George E. Rogers, One Hundred and Fifty-second Precinct; George N. Yenzer, One Hundred and Fifty-fourth Precinct; William H. McNeil, One Hundred and Sixty-fourth Precinct; John L. McNamara, One Hundred and Sixty-fourth Precinct; Benjamin T. Graham, One Hundred and Sixty-eighth Precinct; Joseph M. Sheehan, One Hundred and Sixty-eighth Precinct; Joseph A. Twyford, One Hundred and Seventy-first Precinct; James B. MacKelvey, One Hundred and Seventy-second Precinct; Charles A. Harden, Two Hundred and Seventy-eighth Precinct; Henry A. Carsten, Two Hundred and Eighty-third Precinct; Theodore P. Trayer, Eighth Inspection District; Robert Lorentz, Traffic Precinct C; Christian Twillman, Traffic Precinct C; Charles H. Monsees, Traffic Precinct D; William P. Jenkins, Post Office Squad; Felix B. De Martini, Detective Bureau, Manhattan.

To $1,350 Grade—John McGroarty, One Hundred and Fifty-first Precinct, November 2, 1909; William J. Dobbins, Thirty-second Precinct, November 9, 1909.

Hostler dismissed:

Michael Curtin, Fortieth Precinct, is hereby dismissed from employment in the Police Department of The City of New York, to take effect December 7, 1909.

The following amendment is hereby ordered:

Special Order No. 342, current series, paragraph 2, to read Patrolman Oscar J. Dunn, from Traffic Precinct C to Fourteenth Precinct, instead of from Traffic Precinct A, and paragraph 3 to read Patrolman Timothy Murphy, Fourteenth Precinct, to Traffic Precinct C, instead of to Traffic Precinct A.

Requisitions will be made as follows:

1. Forthwith, by Manhattan, Brooklyn and Queens commands, for sufficient supply of coal, in addition to the amount on hand, to last until March 1, 1910; also state on each requisition how many tons can be immediately stored in coal bins.

2. On December 15, 1909, by all concerned for a sufficient supply of forage to last until March 1, 1910.

3. On January 1, 1910, all commands will make written report stating amount of coal (tons) of all kinds on hand at that date.

The following Special Patrolmen are hereby appointed, to take effect December 3, 1909:

Julius Gotthold, for I. Lefkowitz, No. 22 East Twenty-first street, Manhattan; Thomas Deane, for A. L. Erlanger, No. 232 West End avenue, Manhattan.

To take effect December 6, 1909:

Charles Winkelman, for Arion Society, Park avenue and Fifty-ninth street, Manhattan; Max Meyers, for Hawthorne School, No. 356 Second avenue, Manhattan; James L. Maguire, for H. C. Stuart, Special Deputy Collector, Custom House, Manhattan; Charles E. Erickson, for Interborough Rapid Transit Company, No. 165 Broadway, Manhattan.

The resignations of the following Special Patrolmen are hereby accepted and they are reappointed:

Herman F. Thies, for Klaw & Erlanger, New York Theatre, No. 1520 Broadway, Manhattan; Constant C. Imming, for Long Island Railroad Company, Long Island City; James F. Kennedy for the Waldorf-Astoria Hotel Company, Fifth avenue and Thirty-third street, Manhattan.

The resignation of the following Special Patrolman is hereby accepted:

Philip Schmidt, employed by Equitable Life Assurance Society, No. 120 Broadway, Manhattan.

WM. F. BAKER, Police Commissioner.

POLICE DEPARTMENT.

December 8, 1909.

The following proceedings were this day directed by Police Commissioner Wm. F. Baker:

On File, Send Copy.

Report of Lieutenant in command of Boiler Squad, dated December 7, 1909, relative to engineers' licenses granted. For publication in the CITY RECORD.

Special Order No. 344, issued this day, is hereby made part of the proceedings of the Police Commisisoner.

Special Order No. 344.

The following transfers are hereby ordered:

To Take Effect 8 a. m., December 8, 1909.

Captains Michael Reidy, from Twenty-eighth Precinct to Seventy-ninth Precinct; James F. Thompson, from Seventy-ninth Precinct to Twenty-eighth Precinct

To Take Effect 8 p. m., December 9, 1909.

Lieutenants Edward J. Burns, from Two Hundred and Ninetieth Precinct to Two Hundred and Seventy-seventh Precinct; John Kelly, from Two Hundred and Seventy-seventh Precinct to Two Hundred and Ninetieth Precinct.

To Take Effect 8 p. m., December 8, 1909.

Mounted Patrolman George Rogan, from Sixty-fifth Precinct to Seventy-seventh Precinct, with horse and equipments.

The following temporary assignments are hereby ordered:

Lieutenant Jeremiah O'Connell, Seventy-fourth Precinct, assigned to command precinct, during absence of Captain Denis F. Ward, for one day, from 12 noon, December 25, 1909.

Sergeants Daniel Fogarty, Twenty-ninth Precinct, assigned to Eightieth Precinct, during absence of Sergeant William Heyer on sick leave, from 4 p. m., December 7, 1909; George T. Sheridan, Traffic Precinct D, assigned as Acting Lieutenant in precinct, during absence of Lieutenant David Kane on vacation and with leave, from 8 a. m., December 7, 1909; De Loss W. Evens, One Hundred and Forty-ninth Precinct, assigned as Acting Lieutenant in precinct, during absence of Lieutenants on special leave, for twenty-four hours, from 8 a. m., December 12, 1909.

Patrolmen Edward M. Leavy, Twenty-first Precinct, and Jerome Murphy, Twenty-second Precinct, assigned to Third Inspection District, duty in plain clothes, for ten days, from 8 a. m., December 8, 1909; John W. Ellis, Tenement House Squad, assigned in charge of Tenement House Squad, during absence of Patrolman John Stewart on vacation, from 12.01 a. m., December 7, 1909; James J. Kelly, One Hundred and Fifty-fifth Precinct, assigned to Sixth District Court Squad, Brooklyn, during absence of Patrolman Robert Roy on vacation, from 12 noon, December 8, 1909.

The following extensions of temporary assignments are hereby ordered:

Patrolmen Joseph F. Pessolano, Twenty-ninth Precinct, to Detective Bureau, Richmond, for thirty days, from 8 a. m., December 8, 1909; William Voss, Sixty-third Precinct, and Julius Brehme, Fortieth Precinct, to Telegraph Bureau, Manhattan, for five days, from 8 a. m., December 8, 1909; Isaac Steier and William Ornstein, Thirteenth Precinct, to Brooklyn Borough Headquarters Squad, duty in Borough Inspector's office, in plain clothes, for ten days, from 8 p. m., December 3, 1909; John Watson and Charles F. Figge, Thirty-first Precinct, to Brooklyn Borough Headquarters Squad, duty in Borough Inspector's office, in plain clothes, for ten days, from 8 a. m., December 4, 1909; Felix J. McCarthy, Fifth Precinct, to Brooklyn Borough Headquarters Squad, duty in Borough Inspector's office, in plain clothes, for ten days, from 8 p. m., December 5, 1909; Adam Spies, Jr., Twenty-second Precinct, to District Attorney's office, New York County, for five days, from 3 p. m., December 6, 1909.

The following members of the Force are excused for eighteen hours:

Captains Denis J. Brennan, Sixty-fifth Precinct, from 2 p. m., December 9, 1909; Edward Gallagher, Second Precinct, from 8 p. m., December 9, 1909, with permission to leave city; Frederick W. Martens, Thirty-fifth Precinct, from 8 a. m., December 12, 1909, with permission to leave city; Jacob Brown, Bridge Precinct D, from 4 p. m., December 14, 1909, with permission to leave city; John J. McNally, Seventy-seventh Precinct, from 1.30 p. m., December 9, 1909; Thomas Palmer, Eightieth Precinct, from 3 p. m., December 9, 1909, with permission to leave city; Bernard Gallagher, One Hundred and Forty-eighth Precinct, from 9 a. m., December 8, 1909; Charles A. Formosa, One Hundred and Sixty-eighth Precinct, from 10 a. m., December 9, 1909, with permission to leave city; Thomas F. Darcy, Two Hundred and Seventy-fourth Precinct, from 6 p. m., December 18, 1909; Charles C. Wendell, Two Hundred and Seventy-eighth Precinct, from 9 a. m., December 9, 1909; Owen Rooney, Two Hundred and Ninetieth Precinct, from 7 a. m., December 11, 1909; Cornelius Leary, Two Hundred and Ninety-second Precinct, from 5 p. m., December 9, 1909, with permission to leave city.

The following leaves of absence are hereby granted with full pay:

Acting Captain George G. Farr, One Hundred and Seventy-second Precinct, for three days, from 12.01 a. m., December 9, 1909, with permission to leave City, balance of vacation.

Bicycle Patrolman William M. Kiely, Seventy-fourth Precinct, for three days, from 12.01 a. m., December 6, 1909.

Patrolmen Richard L. Lombard, Harbor Precinct, for three days, from 12 noon, December 7, 1909; Patrick M. Sammons, Fifth Inspection District, for three days, from 12.01 a. m., December 4, 1909, with permission to leave City; Jerome F. Brenneis, Sixth Precinct, for three days, from 12 noon, December 4, 1909; Thomas F. Flynn, Traffic Precinct C, for two days, from 12.01 a. m., December 4, 1909; James H. Mahoney, Thirty-second Precinct, for three days, from 12.01 a. m., December 5, 1909, with permission to leave city; John A. Baumann, Two Hundred and Seventy-fourth Precinct, for three days, from 12.01 a. m., December 5, 1909; James Hassett, One Hundred and Forty-fifth Precinct, for three days, from 12 noon, December 5, 1909.

The following leave of absence is hereby granted with half pay:

Patrolman George C. Ossman, One Hundred and Sixty-fifth Precinct, for one-half day, from 12 noon, December 6, 1909.

The following leaves of absence are hereby granted without pay:

Patrolmen David J. Foley, First Precinct, for five days, from 12.01 a. m., December 7, 1909, with permission to leave city; Wilbur J. Kennedy, Sixth Precinct, for one day, from 12 noon, December 7, 1909; Dennis Doyle, Sixty-third Precinct, for one day, from 12 noon, December 5, 1909.

The following advancements to grade are hereby ordered:

The grade checks for the following named Patrolmen will be ready December 28, 1909. Commanding Officers will see that the Patrolmen named call at the office of the City Paymaster within one month from that date:

To $1,350 Grade, November 11, 1909—Arthur F. Connell, First Precinct; Emil J. Kochman, Fifth Precinct; Thomas W. McGauley, Fifth Precinct; August Sorn Twenty-first Precinct; John F. Molloy, Twenty-first Precinct; Dennis P. Sullivan, Twenty-eighth Precinct; Walter Carroll, Twenty-ninth Precinct; George J. Werner, Thirty-fifth Precinct; Patrick Morris, Thirty-fifth Precinct; Henry A. Kratch, Sixty-third Precinct; Irving E. Schramm, One Hundred and Forty-fourth Precinct; John T. Gevin, One Hundred and Fifty-second Precinct; Hugh McGuire, One Hundred and Fifty-seventh Precinct; Robert Wood, One Hundred and Sixty-first Precinct; John H. Conk, One Hundred and Sixty-fourth Precinct; Michael M. O'Donnell, One Hundred and Sixty-ninth Precinct; Patrick H. Donnelly, One Hundred and Seventieth Precinct; Matthew Kinnane, One Hundred and Seventy-first Precinct; James F. Miller, One Hundred and Seventy-second Precinct; Arthur J. Williams, Two Hundred and Seventy-fifth Precinct; Walter J. Miller, Second District; Walter Gerhardt, Twelfth District; Joseph G. Becker, Fifteenth District; Andrew Staab, Traffic A Precinct; Francis T. McAviney, Traffic A Precinct; John Flanagan, Traffic C Precinct; William J. Wilson, Traffic C Precinct; Thomas F. Ryan, Bridge A Precinct; John Faulkner, Bridge C Precinct; Frederick Rott, Detective Bureau, Manhattan.

To $1,350 Grade, November 12, 1909—Patrick G. Hannon, Eighth Precinct; John C. Nilon, Twenty-eighth Precinct; James Brennan, Thirty-second Precinct; Francis T. Finnigan, Thirty-ninth Precinct; William Lamond, Sixty-first Precinct; Edgar Stephens, Sixty-first Precinct; Otto Schmuck, Sixty-first Precinct; George L. Stevens, Sixty-third Precinct; Tracy L. Roosa, Sixty-eighth Precinct; Joseph G. Waterhouse, Sixty-eighth Precinct; John Barrett, One Hundred and Fifty-first Precinct; Herman Hagemann, One Hundred and Fifty-fourth Precinct; Daniel J. Grennan, One Hundred and Forty-fourth Precinct. William T. Shaughnessy, One Hundred and Forty-fourth Precinct; Hugh O'Connell, One Hundred and Forty-fifth Precinct; Robert H. Duester, One Hundred and Forty-seventh Precinct; Samuel Rosenfeld, One Hundred and Sixty-third Precinct; Harry Dick, One Hundred and Sixty-seventh Precinct; Wm. J. Welch, One Hundred and Sixty-seventh Precinct; Samuel T. Cunningham, Traffffic Precinct A; John Walsh, Traffic Precinct C; Vance C. Lavender, Traffic Precinct D; Thomas V. Burke, Traffic Precinct D; George W. Creighton, Harbor Precinct A; Felix Martin, Bridge Precinct A; William C. Ryan, Third District; John H. L. Flynn, Telegraph Bureau; August W. Heune, Detective Bureau, Brooklyn; John H. Oliver, Detective Bureau, Manhattan.

The following death is reported.

Patrolman John Dolan, One Hundred and Seventy-third Precinct, at 7.30 p. m., December 7, 1909.

The office of the Second Inspection District is now located at No. 300 Mulberry street, Manhattan.

The following Special Patrolmen are hereby appointed:

To Take Effect December 2, 1909.

Thomas J. Stack, for Thomas H. Roulston, No. 595 Seventh street, Brooklyn.

To Take Effect December 7, 1909.

William Schaefer, for Interborough Rapid Transit Company, No. 165 Broadway, Manhattan; John E. McClennen, for I. B. Heyman & Co., No. 126 Sixth avenue, Manhattan.

The resignation of the following Special Patrolman is hereby accepted, and he is reappointed:

John A. Farrell, for George Mohrman, No. 415 East Ninth street, Brooklyn.

The resignations of the following Special Patrolmen are hereby accepted:

Bernard J. Maloney, Philip J. Steers and Laurence F. Maher, employed by Long Island Railroad Company, Long Island City; Francis J. Carey, employed by National Window Cleaning Company, No. 42 East Fourth street, Manhattan; Maurice Perlman, employed by Triangle Waist Company, No. 23 Washington place, Manhattan; John J. Hogge, employed by Columbia Amusement Company, No. 629 Eighth avenue, Manhattan; Theodore F. Rosenstock, employed by Thomas W. McKnight, No. 210 West One Hundred and Thirty-sixth street, Manhattan.

WM. F. BAKER, Police Commissioner.

POLICE DEPARTMENT.

December 9, 1909.

The following proceedings were this day directed by Police Commissioner William F. Baker:

Referred to the Comptroller.

Schedules of vouchers as follows:

Apparatus, Machinery, etc., 1909	$636 25
General Supplies, 1909	2,221 63
Material for Repairs, etc., by Departmental Labor, 1909	480 35
Repairs, etc., by Contract or Open Order, 1909	92 90
Machinery, Vehicles, etc., 1909	421 53
Fuel, 1909	1,087 50

Ordered to be Paid.

Contingencies, 1909	$43 67
Contingencies, 1909	673 20

Granted.

Petition for pension of Jennie Cotter, widow of William H. Cotter, pensioner, and pension awarded of $120 per annum.

Application of Maria L. Hennig, dependent parent of Richard Hennig, Patrolman, and pension awarded of $180 per annum.

Petition for pension of Sophia Jacobs, widow of George R. Jacobs, pensioner, and pension awarded of $120 per annum.

Application of Mary Hedeman, dependent parent of William F. Hedeman, Patrolman, and increase of $120 per annum awarded, making a total pension of $300 per annum.

Petition for increase of pension of Mary L. Horn, widow of Peter Horn, and increase of $60 per annum awarded, making a total pension of $240 per annum.

Denied.

Application of John Brady, No. 391 Bergen street, Brooklyn, Patrolman, retired, for increase of his pension.

Petition for pension of Bertie K. Groves, widow of Howard Groves, Patrolman.

Amusement Licenses Granted.

Edward J. Dunn, Williamsbridge Theatre, No. 3682 White Plains avenue, The Bronx, from December 1, 1909, to February 28, 1910; fee, $150.

William Gane, Manhattan Theatre, Nos. 1239 and 1242 Broadway, Manhattan, from September 12, 1909, to April 30, 1910; fee, $450.

Kutinsky & Gordon, the Orient, No. 16 Bowery, Manhattan, from November 20, 1909, to April 30, 1910; fee, $300.

Amabile Longobardi, San Carlino, No. 140 Sullivan street, Manhattan, from November 23, 1909, to February 22, 1910; fee, $150.

William Morris, Inc., American Roof Garden, No. 260 West Forty-second street, Manhattan, from November 6, 1909, to February 5, 1910; fee, $150.

Samben Amusement Company, Pen Theatre, Nos. 169 to 175 Pennsylvania avenue, Brooklyn, from November 29, 1909, to February 28, 1910; fee, $150.

Annie Schnitger, Morris Park Palace, No. 665 Morris Park avenue, The Bronx, from November 29, 1909, to February 28, 1910; fee, $150.

Tompkins Amusement Company, Tompkins Theatre, No. 54 Tompkins avenue, Brooklyn, from November 6, 1909, to February 5, 1910; fee, $150.

Masquerade Ball Permits Granted.

Weber & Glatterer, Palm Garden, Brooklyn, December 11; fee, $10.
Weber & Glatterer, Palm Garden, Brooklyn, December 18; fee, $10.
Morris Sisenwain, New Star Casino, Manhattan, December 18; fee, $25.
B. Knobloch, Stauch's Casino, Brooklyn, December 8; fee, $10.
J. Paden, Sangerbund Hall, Brooklyn, December 15; fee, $10.
M. Lipman, Prospect Hall, Brooklyn, December 18; fee, $10.
H. H. Volk, Liederkranz Hall, Brooklyn, January 1; fee, $10.
F. Darcy, Frenz' Park, Queens, December 11; fee, $10.

On File, Send Copy.

Report of Lieutenant in command of Boiler Squad, dated December 8, 1909, relative to engineers' licenses granted. For publication in the CITY RECORD.

Special Order No. 345, issued this day, is hereby made part of the proceedings of the Police Commissioner.

Special Order No. 345.

The following member of the Force is hereby relieved and dismissed from the Police Force and service and placed on the roll of the Police Pension Fund and is awarded the following pension:

To take effect 12 midnight, December 9, 1909:

Patrolman James Ennis, One Hundred and Seventy-third Precinct, on his own application, at $700 per annum. Appointed June 9, 1881.

The following transfers and assignments are hereby ordered:

To take effect 8 p. m., December 10, 1909:

Bicycle Patrolman William P. Martin, Thirty-sixth Precinct, remanded from bicycle duty and transferred to Seventeenth Precinct.

Patrolmen Edward J. Donnelly, Second Precinct, transferred to Seventy-fourth Precinct and assigned to mounted duty; John R. Steinle, from One Hundred and Sixty-fifth Precinct to One Hundred and Fifty-third Precinct; William J. Hunt, from One Hundred and Fifty-third Precinct to One Hundred and Sixty-fifth Precinct; Samuel J. Smith, from Twelfth Precinct to Sixty-ninth Precinct; John F. Egan, from Twelfth Precinct to Two Hundred and Seventy-fifth Precinct; William C. Hahn, from Traffic Precinct C to Twelfth Precinct; James H. Guff, from Seventeenth Precinct to One Hundred and Fifty-first Precinct; Edward McCarton, Sixty-fifth Precinct, transferred to First Inspection District and assigned to duty in plain clothes.

Cleaners Cyrus Harris, from Second Inspection District to Third Inspection District; Edward Buckley, from Third Inspection District to Second Inspection District.

The following temporary assignments are hereby ordered:

Surgeon Charles E. Nammack, to assume charge of First Surgical District in addition to his own district during absence of Surgeon Edward J. Donlin on sick leave, from 12 noon, December 7, 1909.

Lieutenants Richard Holmes, Eighth Precinct, assigned to command precinct during absence of Captain John W. Cottrell on vacation and with leave, from 12.01 a. m., December 9, 1909; John Carroll, Two Hundred and Seventy-fourth Precinct, assigned to command precinct during absence of Captain Thomas F. Darcy on vacation and with special leave, from 12 noon, December 19, 1909; Charles Martin, One Hundred and Sixty-fifth Precinct, assigned to command precinct during absence of Captain Isaac Frank on special leave, from 12.01 a. m., December 11, 1909.

Sergeants Emil J. Scheringer, Twelfth Precinct, assigned to Ninety-ninth Precinct during absence of Sergeant Delafield J. Rusch on sick leave, from 4 p. m., December 8, 1909; Patrick F. Crane, Traffic Precinct C, assigned as Acting Lieutenant in precinct during absence of Lieutenant James S. Bolan on vacation and with leave, from 8 a. m., December 8, 1909.

Patrolmen John J. Skelly, Thirty-second Precinct, assigned to Sixth Inspection District, duty in plain clothes during absence of Patrolman Patrick Ferguson on vacation, from 12.01 a. m., December 9, 1909; James J. Finan, Thirty-sixth Precinct, assigned to Sixth Inspection District, duty in plain clothes, during absence of Patrolman John J. O'Connell on vacation, from 12.01 a. m., December 9, 1909; James F. Kerrigan, One Hundred and Sixty-third Precinct, assigned to clerical duty in precinct during absence of Patrolman Edward P. Halpin on vacation and with special leave, from 12.01 a. m., December 18, 1909.

Cleaner Edward Buckley, Second Inspection District, assigned to Central Office Squad, duty in Bureau of Repairs and Supplies, from 8 p. m., December 10, 1909.

The following extensions of temporary assignments are hereby ordered:

Patrolmen Michael J. Nilon and Albert J. McDonald, Forty-third Precinct, to Sixth Inspection District, duty in plain clothes, for 10 days, from 8 p. m., December 8, 1909; William J. Ferrick, Thirty-first Precinct, to Detective Bureau, Manhattan, for 10 days, from 8 p. m., December 8, 1909; Joseph F. Farrell, One Hundred and Fifty-eighth Precinct, to Ninth Inspection District, duty in plain clothes, for 10 days, from 12 noon, December 11, 1909; John P. Harron, One Hundred and Fifty-fifth Precinct, to Ninth Inspection District, duty in plain clothes, for 10 days, from 12 noon, December 13, 1909.

The following temporary assignment is hereby discontinued:

Cleaner Cyrus Harris, Second Inspection District, to Central Office Squad, from 8 p. m., December 10, 1909.

The following members of the Force are excused for 18 hours as indicated:

Captains John F. O'Connor, Tenth Precinct, from 10 a. m., December 13, 1909, with permission to leave city; John J. Lantry, Twenty-ninth Precinct, from 2 p. m., December 11, 1909; Frederick G. Carson, Thirty-sixth Precinct, from 2 p. m., December 10, 1909; John J. McNally, Seventy-seventh Precinct, from 1.30 p. m., December 25, 1909; George A. Aloncle, Bridge Precinct C, from 4 p. m., December 13, 1909; John Wiegand, Central Office Squad, from 4 p. m., December 12, 1909, with permission to leave city; Patrick Corcoran, Thirty-ninth Precinct, from 2 p. m., December 10, 1909, with permission to leave city; William H. Shaw, One Hundred and Sixty-third Precinct, from 3 p. m., December 10, 1909; John Becker, One Hundred and Sixty-fourth Precinct, from 6 a. m., December 9, 1909; Albert Ruthenberg, Two Hundred and Eighty-second Precinct, from 8 a. m., December 13, 1909.

The following leave of absence is hereby granted with full pay:

Captain Thomas F. Darcy, Two Hundred and Seventy-fourth Precinct, for nine days, from 12 noon, December 19, 1909, with permission to leave city, balance of vacation.

The following leaves of absence are hereby granted without pay:

Patrolmen Thomas McCarthy, Seventy-ninth Precinct, for two days, from 12 noon, December 8, 1909, with permission to leave city; Davis E. Hapenny, Jr., Eightieth Precinct, for ten days, from 12.01 a. m., December 9, 1909, with permission to leave city.

The following advancements to grades are hereby ordered:

The grade checks for the following named Patrolmen will be ready December 28, 1909. Commanding officers will see that the Patrolmen named call at the office of the City Paymaster within one month from that date:

To $1,350 Grade, November 23, 1909—George Kammerschak, Fifth Precinct; Joseph A. Gates, Fifth Precinct; Frederick Finger, Fifth Precinct; Walter F. Brogan, Seventh Precinct; Charles Sofsky, Eighth Precinct; Robert Kennedy, Tenth Precinct; Henry A. Welch, Tenth Precinct; William F. Long, Thirteenth Precinct; George Poten, Thirteenth Precinct; Daniel Van Dam, Fifteenth Precinct; Peter Sauerbrey, Fifteenth Precinct; John M. Taylor, Sixteenth Precinct; Andrew J. Conlin, Eighteenth Precinct; Charles G. C. Boye, Twenty-second Precinct; Bernard Pflaster, Twenty-second Precinct; Patrick Kelly, Twenty-fifth Precinct; Thomas Brawley, Twenty-sixth Precinct; John F. Holland, Twenty-eighth Precinct; Philip J. Murphy, Thirty-second Precinct; Edward Curtis, Thirty-fifth Precinct; Edward H. Blohm, Thirty-fifth Precinct; James F. McDonald, Thirty-sixth Precinct; Michael J. Dillon, Forty-third Precinct; William A. Collins, Sixty-fifth Precinct; Thomas F. Marron, Sixty-sixth Precinct; Joseph T. Malone, Sixty-eighth Precinct; Edward S. Marshall, Ninety-ninth Precinct; John Bergin, One Hundred and Forty-third Precinct; Michael F. O'Shea, One Hundred and Forty-third Precinct; Charles G. Cordell, One Hundred and Forty-fourth Precinct; Patrick McGloin, One Hundred and Forty-sixth Precinct; Edward J. McKie, One Hundred and Fifty-third Precinct; Cornelius J. Halligan, One Hundred and Fifty-fourth Precinct; Clarence E. Smith, One Hundred and Fifty-fifth Precinct; August Scheiber, One Hundred and Sixtieth Precinct; Charles C. Hemendinger, One Hundred and Sixty-third Precinct; Abraham Hellman, One Hundred and Sixty-fifth Precinct; Clarence E. Loomis, One Hundred and Seventieth Precinct; Percy Maves, One Hundred and Seventy-first Precinct; Peter Karnes, Two Hundred and Ninety-second Precinct; Louis Beerman, Central Office; Patrick D. Fitzgerald, Bridge Precinct C; Nicodemus Smalley, Traffic Precinct A; Michael T. McGrath, Traffic Precinct A; Barclay A. Hannon, Traffic Precinct B; John C. Lazenby, Traffic Precinct B; William J. Fleming, Traffic Precinct C; Daniel E. McKeever, Traffic Precinct C; Robert Herrschaft, Traffic Precinct D; James Hughes, Harbor Precinct; Edward J. Donnelly, Harbor Precinct; Arthur Carmick, Telegraph Bureau; George B. Campbell, Telegraph Bureau; Daniel J. Reynolds, Third District; Edward J. Donohue, Third District; Joseph B. Shephard, Fifth District; John J. Downey, Fifth District; James F. Haggerty, Seventh District; Salvatore Santoro, Detective Bureau, Brooklyn.

To $1,350 Grade, November 29, 1909—Joseph J. Meally, Thirty-second Precinct; Charles J. Queen, One Hundred and Forty-ninth Precinct; George B. Harris, One Hundred and Seventy-first Precinct; James J. Kenny, Two Hundred and Seventy-ninth Precinct; George L. Smith, Bridge Precinct C.

To $1,250 Grade, November 6, 1909—Herman C. McManus, Eighth Precinct; Edward J. Sullivan, Fourteenth Precinct; Arthur Cruice, Fifteenth Precinct; Charles J. Spenkenbach, Twenty-sixth Precinct; Allan F. Lanigan, Twenty-sixth Precinct; Harry Taylor, Thirty-ninth Precinct; John MacIntyre, Fortieth Precinct; Anton N. Troll, Sixty-sixth Precinct; James W. Mackey, Eighty-first Precinct; Michael C. Lee, One Hundred and Forty-fourth Precinct; Charles J. Gormann, Two Hundred and Seventy-fourth Precinct; James J. Coyne, Two Hundred and Seventy-sixth Precinct; Frank J. Lisante, Detective Bureau, Brooklyn.

To $1,250 Grade, November 20, 1909—James Creeden, One Hundred and Fifty-fourth Precinct; Harry I. Thompson, One Hundred and Fifty-fifth Precinct; Patrick McGrath, One Hundred and Fifty-ninth Precinct; John Jacquillard, One Hundred and Sixty-third Precinct; Charles F. Cusack, One Hundred and Sixty-eighth Precinct; William P. Maher, Two Hundred and Seventy-fourth Precinct; Charles A. Harms, Traffic Precinct A; Frank D. Creamer, First District.

To $1,250 Grade—Frank Early, Twenty-eighth Precinct, October 28, 1909; Joseph Pribyl, Thirty-second Precinct, November 1, 1909; Joseph T. Dermody, One Hundred and Forty-fifth Precinct, November 9, 1909; George W. Cook, Forty-third Precinct, November 3, 1909; Edmund Mahoney, Ninth Precinct, November 10, 1909; Edward McCormack, Sixteenth Precinct, November 10, 1909; John Ryan, One Hundred and Forty-sixth Precinct, November 12, 1909; Michael Reilly, Bridge Precinct D, November 12, 1909; John P. Roche, First Precinct, November 20, 1909; Arthur A. McCreeve, Thirty-second Precinct, November 23, 1909; Henry Fitzgerald, One Hundred and Forty-sixth Precinct, November 23, 1909; Joseph Allen, Fifth Precinct, November 29, 1909.

The following Special Patrolman is hereby appointed, to take effect December 8, 1909:

Charles H. Welton, for the Interborough Rapid Transit Company, No. 165 Broadway, Manhattan.

The resignations of the following Special Patrolmen are hereby accepted:

Bernard F. Birmingham, employed by Grand Union Hotel, Park avenue and Forty-second street, Manhattan; Bernard W. Lightstone, employed by Triangle Shirt Waist Company, No .23 Washington place, Manhattan.

WM. F. BAKER, Police Commissioner.

POLICE DEPARTMENT.

December 10, 1909.

The following proceedings were this day directed by Police Commissioner William F. Baker:

Ordered to Be Paid.

Sick time of Gustav Hinkleday and eight others, from Pension Fund, $432.07.

On File, Send Copy.

Report of Lieutenant in command of Boiler Squad, dated December 9, 1909, relative to engineers' licenses granted. For publication in the CITY RECORD.

Special Order No. 346, issued this day, is hereby made part of the proceedings of the Police Commissioner.

Special Order No. 346.

The following member of the Force is hereby relieved and dismissed from the Police Force and service and placed on the roll of the Police Pension Fund and is awarded the following pension, to take effect 12 midnight, December 10, 1909:

Patrolman Gustave Kolle, Twenty-sixth Precinct, on Police Surgeons' certificate, at $634 per annum. Appointed November 2, 1891.

The following transfers are hereby ordered:

Patrolmen.

To take Effect 8 a. m., December 9, 1909—Joseph Trefzger, from Fifteenth Precinct to Traffic Precinct C.

To take Effect 8 p. m., December 9, 1909—Joseph Bathe, from Twenty-sixth Precinct to Traffic Precinct C; John Harley, from Thirty-first Precinct to Traffic Precinct C.

To take Effect 8 p. m., December 10, 1909—Henry P. Briggs, from One Hundred and Sixty-ninth Precinct to Traffic Precinct D.

To take Effect 8 p. m., December 11, 1909—Thomas Clune, from Twenty-eighth Precinct to Second Precinct.

The following temporary assignments are hereby ordered:

Inspector Miles O'Reilly, Eleventh Inspection District, assigned to command Fifteenth Inspection District, in addition to his own district, during absence of Inspector John J. O'Brien, for eighteen hours, from 12.01 a. m., December 18, 1909.

Lieutenants Patrick J. Lane, Second Precinct, assigned to command precinct during absence of Captain Edward Gallagher, for one day, from 12 noon, December 12, 1909; John McCormick, One Hundred and Seventy-third Precinct, assigned to command precinct, during absence of Acting Captain George E. Harrington on vacation and with special leave, from 8 a. m., December 23, 1909.

Sergeant James Dolan, Seventh Precinct, assigned to District Attorney's office, New York County, for five days, from 12 noon, December 9, 1909.

Patrolmen Martin Fay, Twenty-eighth Precinct, assigned to District Attorney's office, New York County, for two days, from 8 a. m., December 9, 1909; John J. Eller, Twelfth Precinct, assigned to Central Office Squad, duty in Bureau of Information, for twenty days, from 8 a. m., December 13, 1909; Michael Hanley, One Hundred and Forty-third Precinct, assigned to Brooklyn Borough Headquarters Squad, duty in Boiler Room, during absence of Patrolman William J. Hoeffling on vacation, from 12 noon, December 10, 1909.

The following extensions of temporary assignments are hereby ordered:

Lieutenant Max Neumaier, One Hundred and Sixty-fifth Precinct, to Central Office Squad, duty in Chief Inspector's office, during absence of Lieutenant Louis Haupt on vacation, from 8 a. m., December 9, 1909.

Patrolmen James J. Phalen, Eighteenth Precinct, and Alfred Blass, Second Precinct, to Fourth Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 10, 1909; Frank J. Wood, Twenty-sixth Precinct, and John H. Ward, Sixty-first Precinct, to Second Inspection District, duty in plain clothes, for ten days, from 8 a. m., December 10, 1909; Archie Wilkinson, Fourteenth Precinct, to duty at Night Court, Manhattan, for 30 days, from 8 p. m., December 9, 1909; John J. Lynch, Twenty-third Precinct, to Third Inspection District, duty in plain clothes, for ten days, from 8 a. m., December 10, 1909; Charles Fried, Ninth Precinct, and Max Morris, Thirty-sixth Precinct, to Sixth Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 11, 1909; Alexander Nicolay, Eighth Precinct, to Central Office Squad, duty in office of Police Commissioner, for ten days, from 8 a. m., December 11, 1909; George F. Vette and Irving E. Schramm, One Hundred and Forty-fourth Precinct, to Brooklyn Borough Headquarters Squad, duty in plain clothes, for ten days, from 8 p. m., December 11, 1909; John W. Earle, One Hundred and Forty-fifth Precinct, to Brooklyn Borough Headquarters Squad, duty in plain clothes, for ten days, from 8 p. m., December 12, 1909; Dennis McClunn, One Hundred and Forty-fifth Precinct, to Eighth Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 10, 1909; Bartholomew Paolucci, One Hundred and Forty-fourth Precinct, to Eighth Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 11, 1909; John K. Cairns and Charles S. Goubaud, One Hundred and Forty-fifth Precinct, to Eighth Inspection District, duty in plain clothes, for ten days, from 8 p. m., December 13, 1909; Joseph M. Gallagher, One Hundred and Fifty-sixth Precinct, to Eighth Inspection District, for clerical duty, for ten days, from 8 p. m., December 9, 1909.

The following members of the Force are excused for eighteen hours, as indicated:

Inspector John J. O'Brien, Fifteenth Inspection District, from 12.01 a. m., December 18, 1909, with permission to leave city.

Surgeon Walter B. Brouner, Twenty-third Surgical District, from 12 noon, December 11, 1909, with permission to leave city.

Captains Patrick J. Cray, Twenty-fifth Precinct, from 5 p. m., December 15, 1909, with permission to leave city; Thomas H. Murphy, One Hundred and Forty-fourth Precinct, from 2 p. m., December 10, 1909; James Gillespie, One Hundred and Fiftieth Precinct, from 2 p. m., December 9, 1909, with permission to leave city; Stephen O'Brien, One Hundred and Fifty-ninth Precinct, from 6 a. m., December 21, 1909, with permission to leave city; Michael Devaney, One Hundred and Seventieth Precinct, from 3 p. m., December 13, 1909.

Acting Captains Philip Grosback, Traffic Precinct D, from 6 a. m., December 20, 1909, with permission to leave city; Alfred W. Thor, One Hundred and Forty-third Precinct, from 6 p. m., December 14, 1909.

The following leaves of absence are hereby granted with full pay:

Captains Thomas Murphy, Central Office Squad, for eighteen days (vacation), from 12.01 a. m., December 14, 1909; Edward Gallagher, Second Precinct, for one day, from 12 noon, December 12, 1909, to be deducted from vacation.

Acting Captain George E. Harrington, One Hundred and Seventy-third Precinct, for seven days, from 8 a. m., December 24, 1909, with permission to leave city, balance of vacation.

The following leaves of absence are hereby granted without pay:

Patrolmen Robert Sheridan, Fifth District Court Squad, Manhattan, for one-half day, from 12 noon, December 9, 1909; Edward D. Tracy, One Hundred and Fifty-eighth Precinct, for three days, from 12 noon, December 24, 1909, with permission to leave city.

Permission granted to leave city:

Patrolman Joseph A. Weeks, One Hundred and Fifty-third Precinct, for sixty days, while on sick leave.

The following advancements to grades are hereby ordered:

The grade checks for the following named Patrolmen will be ready December 29, 1909. Commanding officers will see that the Patrolmen named call at the office of the City Paymaster within one month from that date:

To $1,150 Grade, November 17, 1909—William A. Gavagan, First Precinct; Herman D. Boschen, First Precinct; John F. Kelly, Eighth Precinct; Robert E. Ferdon, Fifteenth Precinct; Michael H. Burke, Sixteenth Precinct; Frank Holub, Twenty-fifth Precinct; William Reifel, Twenty-eighth Precinct; Winfield H. Merritt, Thirty-first Precinct; Leo Gisselbrecht, Thirty-ninth Precinct; John J. Scriven, Thirty-ninth Precinct; John O'Connor, Thirty-ninth Precinct; James O'Sullivan, Thirty-ninth Precinct; Philip Berner, Thirty-ninth Precinct; Samuel J. T. Genet, Fortieth Precinct; John W. Johnson, Ninety-ninth Precinct; Robert A. Pegnan, One Hundred and Forty-seventh Precinct; Charles J. Stuckle, One Hundred and Forty-seventh Precinct; William J. Tomb, One Hundred and Forty-ninth Precinct; Patrick J. Knowles, One Hundred and Fifty-third Precinct; Joseph Tymann, One Hundred and Sixty-fourth Precinct; John P. Downing, Two Hundred and Seventy-sixth Precinct; Israel Newman, Traffic Precinct A; Andrew Winnegar, Traffic Precinct C; Carl F. Rubing, Detective Bureau, Manhattan.

To $1,150 Grade, November 19, 1909—Harry J. Trede, Thirty-second Precinct; Walter P. Schiffer, Twenty-fifth Precinct; Dennis J. Regan, Two Hundred and Seventy-seventh Precinct.

To $900 Grade, November 12, 1909—John S. Stanford, Ninth Precinct; Thomas J. Weber, Twenty-second Precinct; William Clausen, Twenty-second Precinct; John A. Furey, Thirty-second Precinct; Robert L. Cahill, Thirty-fifth Precinct; William P. Napier, One Hundred and Forty-third Precinct; Patrick Murnane, One Hundred and Forty-sixth Precinct; Joseph A. Cody, One Hundred and Forty-eighth Precinct; Jesse M. Bedell, One Hundred and Sixtieth Precinct; Eugene H. Pulch, Traffic Precinct D.

The station house of the Seventy-seventh Precinct is now located at No. 570 City Island avenue, Borough of The Bronx.

The clothing and equipment rooms are now located at No. 300 Mulberry street, Manhattan.

The following Special Patrolman is hereby appointed, to take effect December 7, 1909:

William Schaefer, for Interborough Rapid Transit Company, No. 165 Broadway, Manhattan.

WM. F. BAKER, Police Commissioner.

POLICE DEPARTMENT.

Sanitary Company (Boiler Squad),
December 10, 1909.

To the Police Commissioner:

Sir—In compliance with orders relative to engineers' certificates issued by me under section 312 of chapter 410 of the Laws of 1882, as amended, the following report will show the names of the persons to whom licenses were issued, class of license and location for the same, during the twenty-four hours ending 12 midnight, December 9, 1909:

First Class.

Thomas Holmes, No. 9 Van Brunt street, Brooklyn; John L. Schmidt, Myrtle avenue and Manhattan Railroad crossing, Ridgewood, Brooklyn; John H. Mallon, No. 3 Beekman street; James W. Hand, Stapleton, S. I.; Henry Dayton, No. 163 Duane street.

Second Class.

George T. Baldwin, One Hundred and Seventy-third street and Harlem River; Charles Hawk, No. 290 Broadway; Robert Hughes, No. 626 West One Hundred and Thirty-second street; John Ennis, No. 341 East One Hundred and Sixteenth street; Michael J. Nolan, No. 120 East Broadway.

Third Class.

John Keenan, Broadway and Thirty-fourth street; Joseph Schuller, No. 290 Vernon avenue, Brooklyn; Henry Siegel, No. 539 East Fifteenth street; Barry W. Brandt, No. 414 Water street; Edwin R. Garnier, No. 416 West Twenty-sixth street; Charles N. Solheim, Great Kills, S. I.; Michael McKiernan, Casino Beach, Long Island City; John A. Larsson, Pier 13, North River; George H. Smith, No. 484 Fulton street, Brooklyn; Eric P. Stream, No. 416 West Twenty-sixth street; Isaac Horton, Forty-sixth street and Second avenue; Michael Egen, No. 34 Chambers street; Edmund Flegenhauer, No. 782 Wythe avenue, Brooklyn; Henry G. Bennett, No. 212 Fifth avenue; William H. Foster, No. 516 Lexington avenue; Michael Lane, No. 138 Spring street; Henry Berghauser, No. 71 George street, Brooklyn; Lawrence Brown, No. 282 South street; George Milne, Seventh avenue and Fifty-sixth street; Ephraim Harvey, No. 218 Logan street, Brooklyn; Michael McKenna, Maspeth and Gardner avenue, Brooklyn; Patrick Kenney, No. 2 West Fifty-sixth street; William R. Billard, No. 111 Broadway; Joseph Herrmann, No. 103 Park avenue; Francis McDermott, No. 528 West Thirty-eighth street; George Carlin, Atlantic avenue and Chestnut street, Brooklyn; Alexander M. Shake, Tompkinsville, S. I.; Charles Jungnickel, Elm Park, S. I.; Anton Larsen, No. 993 Fourth avenue, Brooklyn; Charles Herhaegan, No. 416 West Twenty-sixth street; George J. McGuire, Weehawken, N. J.; William H. McCorry, No. 8 Murray street; William Longman, No. 226 Bleecker street; Matthias Sjovall, No. 24 State street; Joseph Booth, No. 307 West Ninety-eighth street; John H. Lafgren, No. 203 Broadway.

Special.

John J. Bermingham, No. 215 West Fifty-eighth street.

Respectfully,
HENRY BREEN, Lieutenant in Command.

BOROUGH OF RICHMOND.

BUREAU OF BUILDINGS.

I herewith present a report of the operations of the Bureau of Buildings, Borough of Richmond, for the week ending December 11, 1909:

Plans filed for new buildings (estimated cost, $32,512)	16
Plans filed for alterations (estimated cost, $15,250)	8
Plans filed for plumbing (estimated cost, $4,608)	10
Violations of law reported	9
Construction inspections made	223
Plumbing and drainage inspections made	50
Violation inspections made	2
Modifications of the law allowed as regards concrete footings under foundations	3

JOHN SEATON, Superintendent.

James Nolan, Chief Clerk.

DEPARTMENT OF HEALTH.

WEEK ENDING SATURDAY, 12 M., DECEMBER 11, 1909.

Boroughs.	Population State Census, 1905.	Estimated Population Middle of Year 1909.	Deaths. 1908.	Deaths. 1909.	Deaths. *Corrected, 1909.	Births.	Marriages.	Still-births.	Death-rate. 1908.	Death-rate. 1909.	Death-rate. *Corrected, 1909.
Manhattan	2,112,697	2,354,576	661	694	636	1,460	448	68	15.04	15.38	14.09
†The Bronx	271,629	348,057	128	108	98	217	38	4	20.39	16.19	14.69
Brooklyn	1,358,891	1,539,235	390	511	489	869	151	43	13.63	17.32	16.57
Queens	198,241	244,947	53	88	85	169	29	6	11.89	18.75	18.10
Richmond	72,846	77,977	17	31	29	39	4	2	11.57	20.74	19.40
City of New York	4,014,304	4,564,792	1,249	1,432	1,337	2,754	670	123	14.73	16.37	15.28

* Non-residents and infants under one week old not included.
† The presence of several large institutions, the great majority of whose inmates are residents of the other Boroughs, increases considerably the death-rate of this Borough.

Cases of Infectious and Contagious Diseases Reported.

	Week Ending— Sept. 18.	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20	Nov. 27.	Dec. 4.	Dec. 11.
Tuberculosis Pulmonalis	501	448	438	435	427	542	435	386	538	528	455	576	564
Diphtheria and Croup	206	214	181	219	223	259	262	303	324	353	392	343	366
Measles	82	85	78	102	100	119	115	161	202	301	263	411	385
Scarlet Fever	58	71	97	130	112	118	145	167	194	232	272	282	337
Small-pox	..	..	..	..	..	..	..	..	1	..	..	..	..
Varicella	14	20	18	23	38	44	56	86	134	145	138	178	111
Typhoid Fever	276	207	170	147	116	107	83	76	59	77	45	82	59
Whooping Cough	52	54	82	36	53	62	36	32	28	57	23	33	120
Cerebro-Spinal Meningitis	7	4	10	6	8	3	6	1	5	4	4	5	1
Total	1,196a	1,103b	1,074c	1,098d	1,077e	1,254f	1,138g	1,212h	1,485j	1,697k	1,592l	1910m	1,943n

a. Includes 5 cases of measles from Ellis Island.
b. Includes 4 cases of measles and 2 scarlet fever from Ellis Island.
c. Includes 6 cases of measles and 2 of diphtheria from Ellis Island.
d. Includes 1 case of measles, 1 of diphtheria and 3 scarlet fever from Ellis Island.
e. Includes 2 cases of measles, 3 of varicella and 1 scarlet fever from Ellis Island.
f. Includes 4 cases of measles, 1 of varicella and 6 scarlet fever and 2 diphtheria from Ellis Island.
g. Includes 7 cases of measles, 1 of varicella and 6 scarlet fever and 1 diphtheria from Ellis Island.
h. Includes 7 cases of measles from Ellis Island.
j. Includes 5 cases of measles, 4 varicella and 3 scarlet fever from Ellis Island.
k. Includes 22 cases of measles, and 2 scarlet fever from Ellis Island.
l. Includes 4 cases of measles and 2 scarlet fever, 2 diptheria and 7 varicella from Ellis Island.
m. Includes 3 cases of diphtheria from Ellis Island.
n. Includes 1 case of diphtheria from Ellis Island.

Deaths by Principal Causes, According to Locality and Age.

Boroughs.	Contagious Diseases Detailed Elsewhere.	Malarial Diseases.	Whooping Cough.	Tuberculosis Pulmonalis.	Cerebro-Spinal Meningitis.	Bronchitis.	Diarrhœal Diseases.	Diarrhœal Diseases under 5 Years.	Pneumonia.	Broncho Pneumonia.	Suicides.	Homicides.	Accidents.	Under 1 Year.	Under 5 Years.	5-65 Years.	65 Years and Over.
Manhattan	36	..	3	95	3	11	17	14	61	55	6	1	38	140	198	400	96
The Bronx	1	..	..	23	..	..	5	5	11	8	2	..	8	22	27	64	17
Brooklyn	39	..	1	39	1	10	14	14	57	39	4	1	20	81	140	262	109
Queens	2	..	1	15	..	1	5	5	11	3	1	..	8	11	21	54	13
Richmond	1	..	..	5	..	..	..	..	2	2	..	..	1	3	3	19	9
Total	79	..	5	177	4	22	41	38	142	107	13	2	75	257	389	799	244

Deaths According to Cause, Age and Sex.

	Total Deaths.	Deaths in Corresponding Week of 1908.	Males.	Females.	Under 1 Year.	1 Year and Under 2.	2 and Under 5.	Under 5 Years.	5-15.	15-25.	25-45.	45-65.	65 and Over.
*Total, all causes	1,432	1,249	783	649	257	63	69	389	51	67	308	373	244
1. Typhoid Fever	11	13	6	5	..	..	..	..	2	3	4	2	..
3. Malarial Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Measles	9	10	4	5	3	3	3	9	..	..	..	..	..
6. Scarlet Fever	14	10	7	7	1	..	9	10	3	..	1	..	..
7. Whooping Cough	5	2	1	4	2	1	1	4	1	..	..	..	..
8. Diphtheria and Croup	45	42	25	20	5	10	24	39	5	..	1	..	..
9. Influenza	5	6	1	4	..	..	..	..	1	..	..	1	3
12. Other Epidemic Diseases	15	5	9	6	6	..	..	6	2	..	2	3	2
13. Tuberculosis Pulmonalis	177	153	111	66	..	2	1	3	6	30	93	40	5
14. Tubercular Meningitis	11	14	5	6	3	3	1	7	2	1	1	..	..
15. Other forms of Tuberculosis	9	6	6	3	..	1	1	2	1	..	4	2	..
16. Cancer, Malignant Tumor	91	66	39	52	1	..	..	1	..	2	15	57	16
17. Simple Meningitis. Of which	9	10	4	5	5	..	2	7	1	..	..	1	..
17a. Cerebro Spinal Meningitis	4	7	2	2	3	..	..	3	1	..	..	..	..
18. Apoplexy, Congestion and Softening of the Brain	23	29	15	8	..	..	..	..	..	..	1	12	10
19. Organic Heart Diseases	125	150	66	59	1	1	..	2	3	7	26	43	44
20. Acute Bronchitis	22	19	13	9	17	..	2	19	1	..	..	1	1
21. Chronic Bronchitis	11	5	7	4	..	..	..	..	..	1	2	3	5
22. Pneumonia (excluding Broncho Pneumonia)	142	96	81	61	17	13	6	36	2	3	32	38	31
22a. Broncho Pneumonia	107	111	52	55	47	23	10	80	2	1	1	11	12
23. Diseases of the Stomach (Cancer excepted)	9	6	4	5	2	..	1	3	..	..	3	..	3
24. Diarrhœal diseases (under 5 years)	38	36	19	19	31	6	1	38	..	..	..	..	..
25. Hernia, Intestinal Obstruction	12	8	4	8	4	..	..	4	..	..	1	6	1
26. Cirrhosis of Liver	22	29	14	8	..	..	..	..	..	..	6	12	4
27. Bright's Disease and Nephritis	108	87	50	58	5	..	1	6	4	1	26	46	25
28. Diseases of Women (not Cancer)	2	4	..	2	..	..	..	..	..	..	1	1	..
29. Puerperal Septicæmia	4	3	..	4	..	..	..	..	..	1	3	..	..
30. Other Puerperal Diseases	6	7	..	6	..	..	..	..	..	..	6	..	..
31. Congenital Debility and Malformations	84	65	48	36	83	..	1	84	..	..	..	..	..
32. Old Age	8	13	..	8	..	..	..	..	..	..	..	..	8
33. Violent Deaths	90	62	72	18	2	..	1	3	7	10	36	25	9
a. Sunstroke	..	..	..	..	..	..	..	..	..	..	..	..	..
b. Other Accidents	75	47	62	13	2	..	1	3	7	8	28	20	9
c. Homicide	2	1	1	1	..	..	..	..	..	..	2	..	..
d. Suicide	13	14	9	4	..	..	..	..	..	2	6	5	..
34. All other causes	213	176	117	96	17	..	4	21	8	7	43	69	65
35. Ill-defined causes	5	6	3	2	5	..	..	5	..	..	..	..	..

* Includes one death of immigrant at Kingston Avenue Hospital, due to measles and diphtheria.

Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology and Number of Deaths in Public Institutions for 13 Weeks.

	Week Ending—												
	Sept. 18.	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.
Total deaths	1,284	1,224	1,192	1,337	1,324	1,346	1,258	1,333	1,389	1,389	1,336	1,370	1,432
Annual death-rate	14.67	13.99	13.62	15.28	15.13	15.38	14.38	15.23	15.87	15.87	15.27	15.66	16.37
Typhoid Fever	24	24	25	24	13	25	21	16	19	16	12	14	11
Malarial Fevers	..	2	..	3	..	..	1	..	1	2	2	2	..
Small-pox	..	..	..	..	..	..	1	..	..	..	..	..	..
Measles	7	5	6	7	4	9	6	8	3	8	7	3	9
Scarlet Fever	4	5	4	2	6	3	8	10	15	14	9	16	14
Whooping Cough	17	3	12	12	8	4	2	8	3	3	7	3	5
Diphtheria and Croup	16	20	13	9	14	19	29	29	38	32	29	39	45
Influenza	2	1	..	..	1	2	1	4	4	5	5	5	5
Cerebro-Spinal Meningitis	5	8	10	4	6	4	6	1	4	4	5	8	4
Tuberculosis Pulmonalis	132	131	118	144	152	145	147	140	179	181	134	173	177
Other Tuberculous	26	8	17	26	18	19	14	22	9	16	30	14	20
Acute Bronchitis	12	23	21	12	21	18	17	11	19	16	24	27	22
Pneumonia	53	58	51	56	56	93	106	115	105	127	105	104	142
Broncho Pneumonia	60	63	72	50	79	95	78	85	94	95	100	107	107
Diarrhœal diseases	228	190	164	161	149	111	92	68	55	62	48	37	41
Diarrhœals under 5	211	181	155	159	140	102	84	58	46	58	43	33	38
Violent Deaths	78	71	68	85	81	82	74	91	101	68	67	81	90
Under one year	351	347	322	324	302	283	252	229	243	267	256	254	257
Under five years	501	490	450	453	443	408	368	347	360	396	400	367	389
Five to sixty-five	623	570	581	667	668	685	681	732	778	781	701	749	799
Sixty-five years and over	160	164	161	217	213	253	209	254	251	212	235	254	244
In Public and Private Institutions	441	438	413	467	456	490	451	515	486	591	454	488	481
Inquest cases	174	152	178	202	183	198	167	199	214	165	191	193	182
Mean barometer	30.135	30.135	29 868	30.128	29.778	30.108	29.899	29.955	30.411	30.069	29.845	29.968	29.921
Mean humidity	75.	73.	62.	68.	53.	56.	61.	72.	77.	74.	75.	84.	85.
Inches of rain or snow	.02	.81	.81	..	.33	.29	.04	.05	..	.05	1.17	.09	.55
Mean temperature (Fahrenheit)	70.4°	66.9°	59.7°	62.4°	57.°	50.5°	48.°	54.3°	54.4°	49.2°	45.7°	39.°	37.2°
Maximum temperature (Fahrenheit)	81.°	76.°	70.°	77.°	76.°	63.°	64.°	67.°	73.°	62.°	64.°	51.°	53.°
Minimum temperature (Fahrenheit)	60.°	50.°	51.°	53.°	47.°	39.°	37.°	43.°	43.°	34.°	33.°	26.°	23.°

Infectious and Contagious Diseases in Hospital.

	Willard Parker Hospital.			Riverside Hospital.					Kingston Ave. Hospital.					Otisville Sanatorium.
	Scarlet Fever.	Diphtheria.	Total.	Diphtheria.	Measles.	Scarlet Fever.	Tuberculosis Pulmonalis.	Total.	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.	Total.	Tuberculosis Pulmonalis.
Remaining Dec. 4, '09	144	76	220	1	..	..	309	310	31	56	98	..	185	294
Admitted	36	45	81	..	..	..	13	13	16	20	30	..	66	26
Discharged	20	23	43	..	..	..	15	15	7	15	12	..	34	1
Died	2	8	10	..	..	..	3	3	9	1	4	..	14	..
Remaining Dec. 11, '09	158	90	248	1	..	..	304	305	31	60	112	..	203	319
Total treated	180	121	301	1	..	..	322	323	47	76	128	..	251	320

Cases of Infectious and Contagious Diseases Reported and Deaths from the Same, by Wards.

Boroughs.	Wards.	Sickness.						Deaths Reported.							
		Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Pneumonia.	Broncho Pneumonia.	All Causes.
Manhattan.	First	..	..	1	..	1	1	..	..	..	..	..	..	..	..	7
	Second	..	..	..	..	..	3	..	..	..	..	..	..	..	..	4
	Third	..	..	..	..	..	3	..	..	..	..	..	..	..	..	1
	Fourth	..	..	..	..	3	5	..	..	..	..	..	2	1	1	10
	Fifth	..	..	..	..	..	5	..	..	..	..	..	..	..	..	4
	Sixth	..	..	..	2	4	7	..	..	..	..	..	2	..	..	8
	Seventh	..	..	2	14	13	8	..	..	1	1	2	3	2	3	19
	Eighth	..	..	2	3	3	13	..	..	..	..	1	2	2	3	10
	Ninth	2	..	6	14	10	15	..	..	..	..	1	8	..	7	34
	Tenth	1	..	4	5	11	10	..	..	..	..	2	..	1	..	12
	Eleventh	1	..	10	14	10	28	..	..	..	..	2	1	2	1	21
	Twelfth	3	..	35	45	47	87	2	..	1	..	4	20	23	17	212
	Thirteenth	..	..	10	9	6	4	..	..	..	..	..	2	..	1	6
	Fourteenth	..	..	1	3	1	7	..	..	..	..	..	4	..	2	10
	Fifteenth	1	..	1	2	1	11	..	..	..	..	..	2	1	..	10
	Sixteenth	..	..	10	5	2	11	..	..	..	..	1	..	1	..	19
	Seventeenth	..	..	9	8	10	18	..	..	1	..	3	6	2	5	38
	Eighteenth	1	..	3	10	7	35	..	..	1	..	3	5	1	1	33
	Nineteenth	2	..	9	8	19	35	1	..	..	2	3	12	8	6	96
	Twentieth	..	..	6	..	3	24	..	..	..	..	..	7	7	2	36
	Twenty-first	1	..	4	2	4	25	..	..	..	..	2	4	3	2	32
	Twenty-second	2	..	18	12	14	27	1	..	..	2	2	17	3	4	72
	Twenty-third	6	..	12	13	17	22	..	..	..	..	1	19	7	4	76
The Bronx	Twenty-fourth	1	..	7	4	8	9	..	..	..	..	..	4	4	4	32
	Total	21	..	150	173	194	413	4	..	3	6	24	118	72	63	802
Brooklyn.	First	..	..	1	..	1	..	..	..	..	..	..	3	3	..	14
	Second	..	..	..	..	1	..	..	..	..	..	..	..	2	1	8
	Third	..	..	1	1	1	2	..	..	..	..	..	..	1	..	3
	Fourth	..	..	1	1	..	4	..	..	..	..	..	..	..	..	..
	Fifth	..	..	1	2	..	3	1	..	..	..	..	1	3	1	13
	Sixth	7	..	11	1	5	6	1	..	..	..	..	..	4	1	15
	Seventh	..	..	4	1	4	3	1	..	..	..	..	..	3	1	16
	Eighth	1	..	12	..	6	4	..	..	..	..	1	2	3	2	31
	Ninth	2	..	19	7	1	2	1	..	2	1	..	2	1	..	16
	Tenth	4	..	4	..	3	5	..	..	..	..	..	3	2	3	17
	Eleventh	..	..	1	1	..	2	..	..	..	..	..	..	1	2	11
	Twelfth	2	..	11	1	..	3	..	..	..	..	..	1	1	..	13
	Thirteenth	..	..	..	4	7	..	..	..	..	..	1	..	2	..	9
	Fourteenth	..	..	2	4	2	2	..	..	..	..	..	2	1	2	14
	Fifteenth	..	..	7	9	4	3	..	..	..	..	..	2	1	2	15
	Sixteenth	..	..	14	5	6	10	..	..	..	..	..	..	3	1	20
	Seventeenth	1	..	2	7	9	4	..	..	..	2	3	2	2	3	26
	Eighteenth	..	..	4	1	..	2	..	..	..	..	..	1	2	1	10
	Nineteenth	..	..	..	4	3	2	..	..	..	..	1	2	1	..	12
	Twentieth	..	..	11	1	2	2	..	..	..	..	1	..	1	..	16
	Twenty-first	1	..	1	11	7	13	..	..	..	1	1	4	4	1	26
	Twenty-second	7	..	2	4	6	3	..	..	..	..	..	1	4	2	16
	Twenty-third	..	..	1	1	3	4	..	..	..	..	1	..	..	..	14
	Twenty-fourth	1	..	2	2	4	2	..	..	1	..	1	..	1	1	19
	Twenty-fifth	..	..	4	2	5	4	..	..	..	..	..	2	2	..	18
	Twenty-sixth	1	..	29	34	36	13	..	..	1	2	3	4	2	6	36
	Twenty-seventh	1	..	15	9	4	6	..	..	1	1	2	1	1	3	23
	Twenty-eighth	2	..	26	5	4	9	..	..	1	..	1	5	2	2	29
	Twenty-ninth	..	..	5	3	1	12	2	..	..	..	3	..	2	1	25
	Thirtieth	2	..	11	10	3	3	..	..	..	..	1	..	1	2	16
	Thirty-first	..	..	1	1	1	1	..	..	..	..	..	1	1	..	6
	Thirty-second	..	..	..	..	1	..	..	..	..	..	..	..	..	1	4
	Total	32	..	203	132	130	129	6	..	6	7	20	39	57	39	511
Queens.	First	9	4	2	..	..	6	..	..	..	..	..	3	4	2	20
	Second	14	3	2	..	3	6	..	..	..	..	1	8	2	1	38
	Third	4	..	1	..	..	2	..	..	..	..	..	2	..	..	10
	Fourth	4	1	15	..	1	3	..	..	..	1	..	2	4	..	16
	Fifth	2	..	1	..	..	..	..	..	..	..	..	..	1	..	4
	Total	33	8	21	..	4	17	..	..	..	1	1	15	11	3	88

Borough.	Wards.	Sickness.						Deaths Reported.								
		Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Typhoid Fever.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria and Croup.	Tuberculosis Pulmonalis.	Pneumonia.	Broncho-Pneumonia.	All Causes.
Richmond.	First	..	..	11	4	3	1	..	..	..	..	..	2	..	1	12
	Second	2	..	..	1	3	1	..	..	..	..	..	..	..	..	6
	Third	..	..	13	..	1	2	..	..	..	..	..	1	1	..	7
	Fourth	..	..	..	4	..	1	..	..	..	..	..	1	1	1	5
	Fifth	..	..	..	2	2	..	..	..	..	..	..	1	..	..	1
	Total	2	..	24	11	9	5	..	..	..	..	..	5	2	2	31

Chemical Analysis of Croton Water, December 8, 1909.

	Results Expressed in Parts by Weight in One Hundred Thousand.	Results Expressed in Grains Per U. S. Gallon of 231 Cubic Inches.
Appearance	Very slightly turbid.	.....
Color	Light grayish yel.	.....
Odor (Heated to 100° Fahr.)	Slightly marshy.	.....
Chlorine in Chlorides	0.210	0.122
Equivalent to Sodium Chloride	0.347	0.202
Phosphates (P_2O_5)	None.	None.
Nitrogen in Nitrites	0.0001	0.0006
Nitrogen in Nitrates	0.0150	0.0087
Free Ammonia	0.0025	0.0015
Albuminoid Ammonia	0.0155	0.0090
Hardness equivalent to Carbonate of Lime: Before boiling	3.38	1.97
Hardness equivalent to Carbonate of Lime: After boiling	3.25	1.90
Organic and volatile (loss on ignition)	1.50	0.87
Mineral matter (non-volatile)	6.00	3.50
Total solids (by evaporation)	7.50	4.37

Temperature at hydrant, 52° Fahr.

Chemical Analysis of Ridgewood Water, December 6, 1909.

	Results Expressed in Parts by Weight in One Hundred Thousand.	Results Expressed in Grains Per U. S. Gallon of 231 Cubic Inches.
Appearance	Very slightly turbid.	.....
Color	None.	.....
Odor (Heated to 100° Fahr.)	Woody.	.....
Chlorine in Chlorides	2.260	1.318
Equivalent to Sodium Chloride	3.459	2.027
Phosphates (P_2O_5)	None.	None.
Nitrogen in Nitrites	0.0001	0.00006
Nitrogen in Nitrates	0.0800	0.0467
Free Ammonia	Trace.	Trace.
Albuminoid Ammonia	0.0025	0.0015
Hardness equivalent to Carbonate of Lime: Before boiling	4.57	2.67
Hardness equivalent to Carbonate of Lime: After boiling	4.57	2.67
Organic and volatile (loss on ignition)	2.00	1.17
Mineral matter (non-volatile)	11.00	6.41
Total solids (by evaporation)	13.00	7.58

Temperature at hydrant, 48° Fahr.

December 11, 1909.

Bacteriological Examination of Croton Water.

Colonies developed from 1 c.c. at 37° C.=44.
Colonies developed from 1 c.c. at 24° C.=99.
Bacilli of colon group present in 10 c.c.
Microscopical examinations are not made at this laboratory.

PERMANENT CENSUS BOARD.

The Board met in the office of the City Superintendent of Schools, No. 500 Park avenue, Friday, December 10, 1909.

Present—William F. Baker, Police Commissioner, and William H. Maxwell, City Superintendent of Schools.

The minutes of the previous meeting were approved.

The information to be collected by the census was increased by approving the inclusion of facts concerning the occupations of children within the ages specified by the statute. Amended instructions for the use of Policemen and others, for use in schools, were also approved. Blanks to carry out these plans were adopted. On motion, it was

Resolved, That the Secretary be directed to make requisition upon the Supervisor of the City Record for the required printing.

On motion, it was

Resolved, That a "notice to parents," stating the requirements of the law, be printed in the different languages, and that the Policemen be required to leave such notice with each family when making the house-to-house canvass.

The Secretary was authorized to prepare a building index showing the character and use of each building in the city, arranged by blocks. On motion, it was

Resolved, That the Secretary be directed to purchase the New York insurance maps for the Boroughs of Manhattan and The Bronx, of the Sanborn Map Company, for $990, the quotation made by such company.

On motion, it was

Resolved, That the action of the Secretary in purchasing office furniture from the State Prisons Commission, for the sum of $473.25, be approved.

On motion, it was

Resolved, That the Secretary be directed to sign a contract with the New York Telephone Company for telephone equipment and service at the contract price of $162.

Bids for furnishing filing cabinets were received from five bidders. The specifications provided for three plans of filing: First, by drawers holding one row of 4 by 6 cards; second, by drawers holding two rows of 4 by 6 cards; third, by drawers holding three rows of 4 by 6 cards. The last plan was approved. Bids on this plan were as follows:

Koller & Smith, No. 298 Broadway	$875 00
Yawman & Erbe, No. 360 Broadway	886 00
The Library Bureau, No. 316 Broadway	903 00
Clarke & Baker, No. 314 Broadway	993 00
Art Metal Construction Company, No. 349 Broadway	1,536 72

On motion, it was

Resolved, That the Secretary be directed to sign a contract with Koller & Smith, No. 298 Broadway, for furnishing filing cabinets, as per specifications, for the price bid, $875.

On motion, it was

Resolved, That the Secretary be authorized to purchase the following articles:

Three numbering machines, 3 Remington typewriters, No. 11; 1 mimeograph, 12 desk baskets, 1 postal scales, 6 Acme binders, No. 2; 2 Eagle almanacs, bound in cloth, 1 Webster's unabridged dictionary, 30 hardwood sorting trays, 1 stamp affixer, two-cent stamps.

On motion, it was

Resolved, That the Board of Estimate and Apportionment be requested to authorize the transfer of $2,000 from the Printing and Stationery account for 1910 to the Salaries account.

Meeting then adjourned.

Under date of December 18, the following resolutions were approved:

Resolved, That the Secretary be directed to communicate with the Board of Aldermen requesting that the Board of Aldermen authorize the Comptroller to supply the Permanent Census Board with cash to the amount of $1,000 to purchase stamps and postal cards.

Resolved, That the Secretary be authorized to visit the National Census Bureau at Washington, D. C., at the expense of the Permanent Census Board, for the purpose of obtaining information with a view to the improvement of the methods of taking the school census.

GEORGE H. CHATFIELD, Secretary.

BELLEVUE AND ALLIED HOSPITALS.

A regular meeting of the Board of Trustees of Bellevue and Allied Hospitals was held on Tuesday, September 7, 1909, at half past 3 o'clock.

Present—Mr. O'Keeffe, the Acting President, in the chair; Messrs. Farley, Sachs and Stern, Trustees; and Mr. Hebberd, the Commissioner of Public Charities.

The following bills were presented for approval and on motion, duly seconded, it was

Resolved, That they, having been duly examined by the Finance Committee, be forwarded to the Comptroller for payment:

Austin Nichols & Co	$363 40	Charles Kohlmann & Co	8,610 00
George W. Benham	439 39	Abraham & Straus	13 10
Bloomingdale Brothers	27 80	Ferd. R. Horn	86 00
Brown's Insecticide Company	47 50	Smith-Worthington Company	9 22
Burton & Davis Company	22 84	J. N. Van Ness Company	7 75
Frank D. Cole	62 08	A. C. Jacobsen & Sons	7 90
Thomas C. Dunham	63 00	William R. Youngs & Bros	79 20
Eimer & Amend	70 80	Thomas C. Dunham	265 10
Robert F. Ferguson	56 46	Benoit Paint and Material Company	2 15
Hugo Fredericks	288 51	Oscar Schlegel Manufacturing Company	67 05
Jesse D. Frost	1,204 40	Pittsburgh Plate Glass Company	44 77
General Electric Company	2 55	A. L. Hirsh	84 00
Hospital Supply Company	10 00	Marine Manufacturing and Supply Company	7 89
Hull, Grippen & Co	2 38	Bloomingdale Brothers	278 20
Kny-Scheerer Company	34 39	J. W. Constant	1,262 92
F. H. Leggett & Co	4 05	W. P. Siler	10 57
Ernst Leitz	110 00	Clinton Skillman	20 00
Library Bureau	32 25	F. L. Slazenger	3 25
Lumiere North American Company, Ltd	77 99	J. T. Stanley	115 00
The Macey Company	35 75	George Tieman & Co	128 25
Madison Hardware Company	30 39	United Electric Light and Power Company	65 00
Charles H. Mattlage	5 25	George Vause	9 00
Monroe Refrigerator Company	62 40	Waite & Bartlett Manufacturing Company	104 00
Montross & Clark Company	3 73	Yawman & Erbe Manufacturing Company	11 00
Edward Murphy	3 00	Askin & Co	25 00
New York Diet Kitchen Association	57 00	Duparquet, Huot & Moneuse Company	12 00
North American Ash Can Company	36 00	George W. Grote & Co	60 00
M. O'Brien & Son	324 09	Jenkins Bros	91 80
Louis C. Owens	3 96	W. B. McVicker Company	48 45
Richard Webber	112 53	Madison Hardware Company	1 50
William B. Riker & Sons Company	54 00	Joseph Miller	3 45
J. Wanamaker	12,335 25	National Elevator Company	22 80
Stern Brothers	20 35	Pittsburgh Plate Glass Company	17 85
J. Wanamaker	1,367 62	John Simmons Company	23 04
Siegel-Cooper Company	342 97	Steele & Condict Company, Inc	48 00
Pattison & Bowns	324 83	Troy Laundry Machinery Company	12 60
George F. Sinram	1,130 00	White, Van Glahn Company	2 95
S. Trimmer & Son	2,300 24	Wm. P. Youngs & Bros	32 87
Atlantic Hotel Supply Company	5,929 56	Cavanagh Bros. & Co	1 50
Hugo Fredericks	1,211 18	Lincoln Tool and Supply Company	106 12
William Gleichmann & Co	419 51	Lincoln Tool and Supply Company	36 00
Lewis De Groff & Son	130 56	Consolidated Gas Company	148 84
Burton & Davis Company	349 93	General Electric Company	207 86
F. H. Leggett & Co	559 85	Hull, Grippen & Co	275 00
Louis C. Owens	650 59	Lord & Taylor	361 60
J. F. Gylsen	147 66	George Vause	52 80
Knickerbocker Mills	379 92	E. O. R. McArdle	52 00
Pattison & Bowns	3,663 11	Standard Oil Company	20 63
A. Buchsbaum Company	381 08	Vacuum Oil Company	41 90
C. H. Mattlage	45 14	The White Company	7 78
Manhattan Supply Company	183 95	Fuel Engineering Company	50 00
J. F. Donovan	35 76	Dr. H. Amling	14 00
Armour & Co	67 57	R. W. McCully	28 00
White, Van Glahn & Co	60 38	Hospital for Scarlet Fever Patients	114 28
J. Wanamaker	25 81	William Horne Company	7,140 00
R. F. Ferguson	55 78	McKim, Mead & White	35,000 00
Harral Soap Company	19 00	L. Perelson	4,496 50
James N. Early	48 83	Parish & Schroeder	224 82
P. J. Constant	89 74	J. Livingston, Jr., & Co	58 00
Consolidated Safety Pin Company	12 30	Western Electric Company	118 00
J. T. Stanley	283 93	J. Kolerick, Jr., & Co	15 00
Wm. R. Thompson	353 08	William Young Company	600 00
J. A. Rosenbaum	50 04	Contingent Fund	300 00
J. N. Jeffares	12 00	A. D. Gillespie	125 00
A. L. Hirsh	15 87	S. Trimmer & Sons	985 00
Marine Manufacturing and Supply Company	17 80	Pattison & Bowns	3,408 11
Siegel-Cooper Company	74 31	Pattison & Bowns	1,674 47
Studebaker Bros. & Co	14 50		
F. S. Banks & Co	113 86		
O. M. Dawson	38 58		
Bloomingdale Brothers	19 68		
Seabury-Johnson	360 00		
Johnson & Johnson	1,443 00		

Dr. W. H. Smith, the General Medical Superintendent, reported as follows:

From August 8 to September 4, inclusive, 124 operations were performed at Bellevue Hospital, forty at Gouverneur Hospital, seventy-two at Harlem Hospital, and twenty-eight at Fordham Hospital, at all of which the attending Surgeons or their Assistants were present.

Fire drills were held at Bellevue Hospital on August 12, 19, 26 and September 2, at Gouverneur Hospital on August 12, 18, 26, and September 1, at Harlem Hospital on August 11, 18, 26 and September 2, and at Fordham Hospital on August 11, 18, 20, 26, 28 and September 2, 1909.

A full attendance of the visiting physicians and surgeons at the various hospitals during the month of August is reported.

A letter was received from Mr. William Vaughan, a patient in Ward 26, suffering from tuberculosis. He has $120 in money, $75 of which he desires to send home for the support of his younger brother and sister. He is a sailor and represents that this is all the money he has and asks to be relieved of the payment of the usual hospital charges. It is recommended that the rule be waived in this instance.

An accident occurred about the middle of last December which necessitated rather extensive repairs to one of the Bellevue ambulances. The bill for repairs amounted to $306. The company makes a proposition to settle the claim of this Department at $200. The Doctor on the ambulance and the Driver both made a report at the time from which it would appear that the ambulance Driver was not at fault. The railroad company represents that it is equally positive that it was not the fault of the motorman.

Conditions at Harlem Hospital have been investigated and the following recommendations are made: It is recommended that the dressing rooms in connection with the surgical wards be used for recovery rooms, as minor dressings can be done in the wards behind screens and the more difficult dressings in the smaller operating room reserved for dressings and for pus cases; that the Druggist's room be turned over to the Radiographer as additional space in his Department; that a room now used by Nurses be used for an observation ward for children, and the present observation ward be used for the Sprague apparatus.

The rooms of the Mills' Training School Building are not supplied with heat. Formerly they were heated during the winter with gas stoves, but the Department of Water Supply, Gas and Electricity has forbidden the use of these stoves and has compelled their removal. In order to properly heat this building extensive alterations to the heating system must be made at an approximate cost of about $2,000. Is it the pleasure of your Board to ask for a special appropriation for this or to pay it out of current appropriations?

The work of the Pathological Building and Male Dormitory is at a standstill. We have in our service an Inspector of Construction, Mr. Louis C. Frees, to inspect and report upon the work of this building. We also have a Mr. William E. Barton, who is engaged as an Inspector for the Bellevue Training School Building, which is complete with the exception of the fence surrounding the grounds. It is believed that Mr. Frees has plenty of time to properly supervise and inspect the balance of the work to be done in connection with the Nurses' residence, and it is recommended that Mr. Barton be dropped from the roll and that Mr. Frees give his attention to the balance of the construction work to be done in connection with the residence.

Attention is called to the drinking fountain attached to the iron fence on Twenty-sixth street, about half way between the gate and First avenue. This is a public drinking fountain and visitors to the hospital, men, women and children, discharged patients from the hospital, patients coming to the hospital, patients coming to and going from the dispensary, all may and many do use this fountain. This is not a very sanitary feature of the hospital and it is recommended that the individuals or the society which placed the fountain there be asked to remove it or install a fountain which will not be a menace to public health as is the present affair.

There is a rule of this Department relative to the charge for patients able to pay that $1.50 be collected from all moneys in excess of $50 which may be owned by patients admitted to any of the hospitals of this Department for their care and treatment while in the institution. It is believed that this rule is interpreted to mean by the majority that $50 must be on the person at the time of admission. In any event our system at present does not tend to the careful investigation which there should be into the means of the patient. It is believed that the only way in which a proper knowledge of the financial condition of applicants for admission to these hospitals can be obtained is by having a paid inspector in connection with the Social Service work whose duty it should be to inquire into and investigate the financial condition of all patients admitted to the hospital concerning whom there is the slightest doubt.

On motion, duly seconded, it was

Resolved, To waive the rule requiring the payment of $1.50 a day for the care and treatment of William Vaughan, a patient in Ward 26, suffering from tuberculosis, as he intends to send $75 of the $120, possessed by him, to his home for the support of his younger brother and sister.

On motion, duly seconded, it was

Resolved, To send to the Corporation Counsel for an opinion and for advice the correspondence in the matter of the damage to one of the Bellevue Hospital ambulances by one of the Third Avenue Railway Company's cars.

On motion, duly seconded, it was

Resolved, To approve of the recommendations of the General Medical Superintendent in the matter of the use of the dressing rooms for recovery rooms at Harlem Hospital, the Druggist's room for the use of the Radiographer, the use of the observation ward for the Sprague apparatus, and the use for an observation ward for children a room now used by Nurses.

On motion, duly seconded, it was

Resolved, To make the necessary alterations to the steam heating plant in the Mills' Training School Building and to authorize the preparation of specifications and advertisement calling for bids upon the work; and further

Resolved, To pay for these alterations from current appropriations.

On motion, duly seconded, it was

Resolved, To communicate with the Civil Service Commission regarding the Inspectors of Construction before taking any action in the matter.

On motion, duly seconded, it was

Resolved, To refer to the General Medical Superintendent for further report the matter of the drinking fountain attached to the iron fence of Bellevue Hospital, in Twenty-sixth street, below First avenue.

On motion, duly seconded, it was

Resolved, To refer to the General Medical Superintendent the matter of appointing an Examiner, at a salary of $1,200 a year for a probationary period of three months to investigate the financial condition of such patients applying for treatment to the hospital who are able to pay for their care and treatment.

Reports of Committees.

Mr. O'Keeffe reported a meeting of a Committee (Mr. Hebberd, the General Medical Superintendent and Mr. O'Keeffe), on August 10, at which the following matters were taken up and disposed of, and, on motion, duly seconded and carried, the action of the Committee was approved by the Board, and it was

Resolved, To include the matters in the minutes of this meeting.

Mr. Dillon, attorney for Mr. Rickard, appeared before the Committee with Mr. Rickard. On motion, duly seconded and carried, Mr. Rickard was notified that the hearing would be postponed until the next regular meeting and that he would receive notice of the same in sufficient time to appear.

The Budget Committee recommended an increase in the salary of Miss Hagan. On motion, duly seconded and carried, this recommendation was approved, and it was decided to provide for the increase in the revision of the Budget at the first opportunity.

On motion, duly seconded and carried, the action of the General Medical Superintendent in supplying special temporary Nurses for urgent cases at the request of the Visiting Physicians and Surgeons was approved.

On motion, duly seconded and carried, the report of the General Medical Superintendent regarding the Mills Training School Nurses was approved and the General Medical Superintendent was instructed to continue his vigilance and to act promptly on all evidence of misconduct presented to him.

On motion, duly seconded and carried, it was decided to allow Mr. Eckstein the full month's salary for July and to have the action of the Board in his case date the 31st of July, 1909.

On motion, duly seconded and carried, the General Medical Superintendent was authorized to purchase a new bulletin board for the main hall and Assistant Superintendent's office.

On motion, duly seconded and carried, the matter of an increase in salary for Miss Barteau in the Record Room was laid over for the next meeting.

On motion, duly seconded and carried, it was decided to include in the next revision of the Budget three Clerks in the Reception Office at $480 in place of a Hospital Clerk at $480 and two Helpers at $360 and $300.

On motion, duly seconded and carried, it was decided to ask for the establishment of the following additional grades:

Assistant Superintendent, Medical, $3,500; Assistant Superintendent, Medical, $2,500; Fire Expert, $600; Physician to Out Patients, $600; Supervising Nurse, $1,500; Anaesthetist, $750; Stenographer, $1,500. It was further decided to urge the Board of Estimate and Apportionment to hasten the establishment of the grades of Trained Nurse, $1,050; Stenographer, $900; Butcher, $720.

On motion, duly seconded and carried, it was decided to request the transfer from the appropriation entitled No. 436, General Administration, Salaries and Wages, 1908, to the appropriation entitled No. 448, Buildings, Alterations, Maintenance and Repairs, 1908, in the amount of $1,000.

On motion, duly seconded and carried, the General Medical Superintendent was authorized to procure six horses, two each for Gouverneur, Harlem and Fordham hospitals.

On motion, duly seconded and carried, the complaint of Dr. S. A. Dorfman against the Ambulance Surgeon of Gouverneur Hospital was referred to the Acting President for attention.

On motion, duly seconded and carried, the General Medical Superintendent was authorized to report to the Mayor's office that the complaint regarding the food supplied to employees at Bellevue Hospital will be investigated.

On motion, duly seconded and carried, the General Medical Superintendent was authorized to communicate with the Department of Water Supply, Gas and Electricity regarding the water supply at Fordham Hospital.

On motion, duly seconded and carried, the matter of providing an underground tank for the storage of gasolene required for the motor ambulance was referred to Mr. Hebberd for recommendation and report.

On motion, duly seconded and carried, the General Medical Superintendent was authorized to submit the specifications for the installation of a new fire alarm system in Bellevue and Harlem hospitals to the proper authorities for approval.

On motion, duly seconded and carried, it was decided to send to each member of the Board of Trustees a copy of the report of the Inspector of the Finance Department in the matter of the ice delivered to Bellevue Hospital and the training school; decided further to reply to the Finance Department that the matter will be fully investigated and steps taken at once to remedy any undesirable conditions. The General Medical Superintendent was directed to obtain estimates on a set of scales of sufficient size to weigh any trucks, delivery teams, etc., bringing supplies to this Department. On motion, duly seconded and carried, it was decided further to send a copy of the report of the Finance Department to the contractors for ice and request that a representative of the firm appear before the Board of Trustees on Saturday morning, August 14, 1909, at 10 o'clock.

On motion, duly seconded and carried, the preliminary sketch of the proposed new gatehouse was approved.

Communications.

A communication dated August 2 was received from Messrs. Parish & Schroeder in the matter of the brick wall inclosing the grounds of the training school for women Nurses. On motion, duly seconded, it was

Resolved, To inform the architects that inasmuch as they are responsible for proposing construction contrary to law, it is their duty to take the proper steps to secure permission for continuing the work on the brick wall; further

Resolved, That the architects be requested to have their representative appear before the Board of Trustees at the meeting to be held on Saturday, August 14, 1909, at ten o'clock.

Reports of progress on the work of repairs to the heating plant at Gouverneur Hospital, the fence and sidewalk about Pavilion A and the Pathological Department, the new boiler house and the Pathological Building and Male Dormitory, were received from the General Inspector of Construction, Mr. Louis C. Frees. On motion, duly seconded and carried, these reports were placed on file.

A communication dated July 28 was received from Messrs. McKim, Mead & White in reply to the letter of the Board of Trustees requesting information regarding the Kirker-Bender fire escape. On motion, duly seconded and carried, this communication was placed on file.

A notice of a lien on the moneys due on the John F. Cockerill contract was received from Cornelius J. Gallagher on August 9 and was referred to the architects for attention.

A communication dated August 10 was received from Messrs. McKim, Mead & White with specifications for the electric light and gas fixtures for the Pathological Department. On motion, duly seconded and carried, the General Medical Superintendent was directed to ascertain if Dr. Goldwater has passed upon these specifications and if it is found that Dr. Goldwater has not examined and passed upon them, they be sent to him for approval before being sent to the Corporation Counsel and to the printer.

A communication dated August 9 was received from the American Laundry Machinery Company requesting an extension of four months' time on their contract. On motion, duly seconded and carried, this matter was referred to the architects for recommendation.

A communication dated August 5 was received from Messrs. Gillis & Geoghan with an estimate on furnishing the necessary labor and material for renewing the high pressure drip line from the traps in the laundry and connecting same to the drip tank at Gouverneur Hospital, taking out the present blow-off pipe between the sewer outlet and the blow-off tank, cleaning the large trench extending through the pump room and concreting the bottom of same. On motion, duly seconded and carried, an expenditure of $275 was authorized for this purpose.

A communication dated August 3 was received from the representative of the Allied Real Estate Interests requesting information regarding the automobiles in use in the Department. On motion, duly seconded and carried, this matter was referred to the General Medical Superintendent for attention.

Communications dated August 2 and August 4 were received from the Department of Finance in the matter of the insurance on the contract of Thomas Cockerill & Son for the construction of the new Pathological Department and Male Dormitory. On motion, duly seconded and carried, this matter was referred to the Corporation Counsel for advice.

A fire insurance policy was received from the Northern Assurance Company in favor of the William Horne Company. On motion, duly seconded and carried, this matter was referred to the Acting President for approval and signature.

The minutes of the Fordham Hospital Medical Board for the meeting held on August 5 were received and placed on file.

A request for the continuation of the bond of Paul Franzel, Hospital Orderly (Acting Property Clerk) was received from the Fidelity and Casualty Company of New York. On motion, duly seconded and carried, this matter was referred to the Acting President for approval and signature.

A communication dated August 5 was received from the Municipal Civil Service Commission reporting that the salary of Mr. Louis C. Frees may be increased without further examination. On motion, duly seconded and carried, this communication was placed on file.

A communication dated August 9 was received from James W. Duganne applying for appointment as Auditor. On motion, duly seconded and carried, this communication was placed on file.

A communication dated July 28 was received from J. Edward Stohlman applying for appointment as Assistant Superintendent. On motion, duly seconded and carried, it was decided to inform Mr. Stohlman that the position requires a Civil Service employee.

A bill was received from the Hydrotherapeutic Apparatus Company for the installation of a bath combination in the Psychopathic Ward. On motion, duly seconded and carried, it was decided to pay this bill provided Dr. Gregory certifies in writing that the bath is satisfactory.

Mr. O'Keeffe reported receipt of a communication from the office of the Commissioners of Accounts under date of August 2 asking for information regarding the testimony furnished by him. On motion, duly seconded and carried, this communication was placed on file.

A communication dated July 27 was received from Dr. C. C. Barrows applying for leave of absence from August 8 to September 26. On motion, duly seconded and carried, this leave of absence was granted Dr. Barrows.

Unfinished Business.

The General Medical Superintendent presented a letter from the Finance Department regarding the bill of Frank A. Hall for $3,300. On motion, duly seconded and carried, the General Medical Superintendent was directed to comply with the request of the Finance Department and furnish the information required.

The General Medical Superintendent presented a bill from Howard Maury for window shades furnished for Pavilions A and B. On motion, duly seconded, it was

Resolved, To have a statement accompany the bill to the Finance Department giving the reason for the difference in the numbr of shades supplied from that called for in the order and calling attention to the extra heavy fixtures which cause the bill to be rendered for the full amount.

The General Medical Superintendent reported in the matter of silverware to be furnished by John Early's Sons for the Women's Training School. On motion, duly seconded and carried, it was decided to accept the sample submitted by Mr. Smith for John Early's Sons.

The General Medical Superintendent reported that a number of fixtures at No. 212 East Twenty-sixth street (Probationers' Home), were installed by this Department. As the building is no longer occupied by this Department, it was, on motion, duly seconded and carried, decided to remove as many of the fixtures as possible, and the General Medical Superintendent was authorized to confer with the owner of the building regarding the matter.

The General Medical Superintendent reported that through an oversight, permission had not been obtained from the Sinking Fund Commissioners to continue the rental of rooms at No. 230 East Tweny-seventh street, for the accommodation of members of the house staff for whom there is no room in the hospital building. On motion, duly seconded and carried, it was decided to request such permission in order that the rooms may be occupied until October 1, when it is expected the rooms in the hospital will be completed.

On motion, duly seconded and carried, it was decided to grant the reporters (awaiting an interview with the Board of Trustees) admission to the staff room at the close of the meeting in order that they might be informed regarding the matters under consideration by the Board of Trustees.

Mr. Hebberd reported a meeting of a Committee (Messrs. O'Keeffe, Hebberd, and the General Medical Superintendent) on Saturday, August 14, 1909, at ten o clock, at which the following matters were considered and disposed of, and, on motion, duly seconded and carried, the action of the Committee was approved:

The representative of Messrs. Parish & Schroeder appeared before the Committee in the matter of the brick fence surrounding the training school building. On motion, duly seconded and carried, the General Medical Superintendent was directed to request Messrs, Parish & Schroeder to send a copy of their permit from the Building Department, and a report regarding the brick wall.

Mr. Scott, treasurer of the firm of Foster & Scott, appeared before the Committee, and, on motion, duly seconded and carried, it was decided that Mr. Scott be requested to make a full report on the items mentioned in the report of the Finance Department in the matter of the deliveries of ice; further decided that copies of the report of Messrs. Foster & Scott be sent to Messrs O'Keeffe and Hebberd.

A copy of an application for a writ of mandamus against the Board of Trustees was received from Messrs. Mayer & Gilbert, attorneys for Frank Eckstein, and it was voted to refer the matter to the Corporation Counsel for such action as may be necessary.

A communication was received from the Department of Finance requesting a statement showing the amounts of money that will be required from the proceeds of the sale of Corporate Stock of The City of New York for the necessary improvements from the years 1910 to 1914, inclusive. On motion, duly seconded and carried, the General Medical Superintendent was requested to prepare or cause to be prepared the statement required by the Department of Finance.

An estimate was received from Mr. Van Der Bent, of the firm of Messrs. McKim, Mead & White, for installing an extension of the direct current wire from the proposed new X-ray rooms to the operating rooms. On motion, duly seconded and carried, it was decided to approve this estimate from the contractor now making the alterations to Wards 18 and 25, and to authorize the expenditure of $165 for this purpose.

Specifications for the covered passageway leading to Pavilions A and B were considered, and on motion, duly seconded and carried, it was voted to forward the same to the necessary authorities for approval before beginning the work.

A communication dated August 13, was received from Messrs. Parish & Schroeder with a proposition from Messrs. Cooper & Evans for alterations in connection with the fence and wall surrounding the training school for women Nurses. On motion, duly seconded and carried, this communication was placed on file.

On motion, duly seconded and carried, is was decide to ask the Park Department to set trees in the designated location along the new sidewalk on the north side of Twenty-sixth street (Pavilions A and B).

Bids on pipe covering and two exhaust fans for Gouverneur Hospital were received, and, on motion, duly seconded and carried, it was decided to award the contract to the lowest bidder.

The report of the Department of Finance regarding the deliveries of ice to Bellevue Hospital was again taken up, and on motion, duly seconded and carried, the General Medical Superintendent was directed to take the necessary steps to perfect the system of checking ice deliveries, and further to find a new location for and build a new ice box.

The matter of the disposition of condemned horses was taken up, and, on motion, duly seconded and carried, Commissioner Hebberd was requested to send a representative to inspect the horses to determine whether or not they are desirable for use in the Department of Public Charities.

Mr. O'Keeffe reported a meeting of a Committee consisting of the General Medical Superintendent and himself on August 24, 1909, at which the following matters were considered and disposed of, and, on motion, duly seconded and carried, the action of the Committee was approved.

Dr. W. H. Smith, the General Medical Superintendent, reported as follows:

The hospital recently met with a sad loss in the death of Miss Ella Underhill, Nurse in charge of the reception office.

Requests have been made and granted for special Nurses in the following instances: For a tracheotomy case in Ward 12; two Nurses for a case in Ward 2; two for a case in Ward 31 for four or five days. Approval for the services of these Nurses is asked for.

James Smith, one of the Firemen, was for several days absent without leave, and was dismissed without preferring charges against him.

Before the cold weather sets in it will be necessary to make extensive repairs to the boilers at Bellevue Hospital, at a cost of from seven to eight hundred dollars. As it is desirable that such repairs be made as soon as possible, authority is requested to proceed with this work and instructions are asked as to whether or not the work should be advertised.

A letter has been received from Mr. Gillespie, Architectural Draftsman, applying for a vacation. In view of the short time that he has served this Department, it is recommended that the request be denied.

A communication has been received from Mr. George A. White, Acting Auditor and Contract Clerk, applying for the position of Contract Clerk and Auditor, which he is now filling temporarily. It is recommended that Mr. White be promoted to this position if permissible.

Miss Mae Finnigan, a Nurse, was sent to Minturn Hospital on August 7, suffering from diphtheria.

A communication has been received from Mr. I. M. De Varona, of the Department of Water Supply, Gas and Electricity, stating that it is the duty of this Department to bear the expense of installing extra water service at Fordham Hospital, if it is to be done at all.

On motion, duly seconded and carried, the action of the General Medical Superintendent in supplying special temporary Nurses at the request of the Visiting Physicians for urgent cases was approved.

On motion, duly seconded and carried, the action of the General Medical Superintendent in dismissing James Smith, a Fireman, for absence without leave, was approved.

On motion, duly seconded and carried, the General Medical Superintendent was directed to ascertain from the proper authorities whether or not it is necessary to advertise for bids on the work of repairing the boilers at Bellevue Hospital.

On motion, duly seconded and carried, the application of Mr. Gillespie, Architectural Draftsman, for a vacation was denied.

On motion, duly seconded and carried, the action of the General Medical Superintendent in sending Miss Mae Finnigan, a Nurse, to the Minturn Hospital for care and treatment was approved.

On motion, duly seconded and carried, the matter of additional water service at Fordham Hospital was referred to the Building Committee for recommendation and report.

Communications.

A communication dated August 16 was received from Messrs. McKim, Mead & White approving of an extension of time on the contract of the American Laundry Machinery Company. On motion, duly seconded and carried, four months' extension of time was granted the American Laundry Machinery Company on the recommendation of the architects.

A communication dated August 20 was received from the Department of Water Supply, Gas and Electricity approving of the revised plans of the basement and first

floor of the laundry building of the new Bellevue Hospital. On motion, duly seconded and carried, this communication was placed on file.

The minutes of the Bellevue Hospital Medical Board for the meeting held on August 2 were received from the Secretary, Dr. C. J. Strong. On motion, duly seconded and carried. Dr. Benjamin Kramer was appointed Pathological Interne on the Third Division, from August 2, 1909, to December 31, 1909.

A communication dated August 9 was received from the Holophane Company offering assistance in installing lights in the new pavilions. On motion, duly seconded and carried, this communication was placed on file.

A communication dated August 25 was received from the Department of Finance in the matter of hiring automobiles. On motion, duly seconded and carried, this communication was placed on file.

On motion, duly seconded and carried, the following changes in the help of Gouverneur, Harlem and Fordham hospitals were approved:

Appointments, Gouverneur Hospital.

July 1—Mamie McQueen, Trained Nurse, $720, vice Caroline Leber, $720; James Kennedy, Hospital Helper, $240, vice William Hudson, $240; Constantine Psake, Apothecary, $900, vice Robert A. Lee, $900.

July 7—John Collins, Hospital Helper, $240, vice Leonard Wallace, $240.

July 12—John Nunan, Hospital Helper, $240, vice James Kennedy, $240; Jeremiah Lyons, Hospital Helper, $240, vice Adam Batterson, $240.

July 14—Frank Eve, Hospital Helper, $240, vice George Mayford, $240.

July 16—John Johnson, Hospital Helper, $240, vice Harry Gelbtuch, $240; Frank Poptalnick, Hospital Helper, $240, vice Frederick Smith, $240; Thomas Pitman, Hospital Helper, $240, vice Julia Cronin, $240.

July 19—Eugene Leahy, Hospital Helper, $240, vice William Shady, $240.

July 26—Petra Asmundson, Hospital Helper, $240, vice Nora Kelleher, $240; Marcus Teucher, Hospital Helper, $240, vice Frank Seymour, $240.

Increase in Salary.

July 1—Winifred Allen, Trained Nurse, from $800 to $900.

Dismissals, Resignations, etc.

June 30—Caroline Leber, Trained Nurse, $720; resigned. William Hudson, Hospital Helper, $240; resigned. Robert A. Lee, Apothecary, $900; resigned.

July 4—James Kennedy, Hospital Helper, $240; absence.

July 6—Leonard Wallace, Hospital Helper, $240; resigned.

July 9—Harry Gelbtuch, Hospital Helper, $240; resigned. George Mayford, Hospital Helper, $240; intoxication.

July 11—Adam Batterson, Hospital Helper, $240; insubordination. Mary Dillenberg, Hospital Helper, $180; intoxication.

July 13—Frederick Smith, Hospital Helper, $240; intoxication.

July 15—Julia Cronin, Hospital Helper, $240; resigned.

July 16—William Shady, Hospital Helper, $240; insubordination.

July 25—Nora Kelleher, Hospital Helper, $240; resigned. Frank Seymour, Hospital Helper, $240; resigned.

HARLEM HOSPITAL.

Appointments.

June 26—John McKenna, Hospital Helper-Mechanic, $600; vice Edward Ryan, $600.

June 28—Eliza Stage, Trained Nurse, $600; vice Charlotte Alexander, $600.

June 30—Mary Welsh, Hospital Helper, $240; vice Mary Boyle, $240.

July 1—Jessie Denton, Head Pupil Nurse, $300; vice Delia Breen, $300, promoted. Louise Payne, Head Pupil Nurse, $300; vice Eldya McLean, $300. Felix McKenny, Hospital Helper, $360; vice Herbert Ballon, $360. Joseph Faulkner, Hospital Helper, $240; vice John Langan, $240. Henry Smith, Hospital Helper, $240; vice Henry Spring, $240, promoted. Henry Spring, Hospital Helper, $300, promoted from $240; vice Joseph Jubo, $420. Mary McSherry, Seamstress, $240; vice Helen Jones, $240. William H. Stewart, X-Ray Photographer, $1,800; additional. William Decano, Hospital Helper, $240; additional (Watchman). Delia Breen, Trained Nurse, $600; promoted from Head Pupil Nurse at $300, additional (for vacations).

July 2—Bridget Naughton, Head Pupil Nurse, $300; additional (for vacations).

July 5—Harry Scherry, Hospital Helper, $240; vice Harry Lee, $240. Bridget Kenny, Hospital Helper, $240; vice Rose Tanhan, $240.

July 6—James Daly, Hospital Helper, $240; vice William Bearman, $240.

July 10—Nellie Tripple, Pupil Nurse, $96; vice Louise Steidler, $96.

July 13—Charles Peterson, Hospital Helper, $240; vice Harry Lynch, $240.

July 14—Thomas Dougherty, Hospital Helper, $240; vice Frank Perry, $240. Lizzie Marion, Hospital Helper, $180; vice Margaret Ryan, $180.

July 15—Mary Philbin, Hospital Helper, $180; vice Jennie Tierman, $180.

July 16—Elizabeth Newman, Hospital Helper, $180; vice Irene Fitzgerald, 180. Elizabeth King, Trained Nurse, $600; additional (for vacations).

July 17—Henry Miller, Hospital Helper-Mechanic, $600; vice Charles Bock, $600. Lillian Allen, Hospital Helper, $180; vice Annie Haverone, $180.

July 20—Joseph Scott, Hospital Helper, $240; vice Peter Healy, $240.

July 22—Anna Patterson, Pupil Nurse, $96; vice Susie McGloin, $96.

July 24—Agnes Whalen, Pupil Nurse, $96; vice Theresa Gunning, $96.

Increase in Salary.

July 1—Elizabeth Hynes, Trained Nurse, from $800 to $900.

Dismissals, Resignations, etc.

June 25—Edward Ryan, Hospital Helper-Mechanic, $600; resigned.

June 28—Mary Boyle, Hospital Helper, $240; resigned.

June 30—Eldya McLean, Head Pupil Nurse, $300; resigned. Herbert Ballon, Hospital Helper, $360; resigned. John Langan, Hospital Helper, $240; resigned. Joseph Jubo, Hospital Helper, $420; resigned. Helen Jones, Seamstress, $240; resigned.

July 4—Harry Lee, Hospital Helper, $240; incompetence. Rose Tanhan, Hospital Helper, $240; resigned.

July 5—William Bearman, Hospital Helper, $240; incompetence.

July 9—Louise Steidler, Pupil Nurse, $96; resigned.

July 10—Irene Fitzgerald, Hospital Helper, $180; resigned.

July 12—Harry Lynch, Hospital Helper, $240; intoxication.

July 13—Frank Perry, Hospital Helper, $240; resigned. Margaret Ryan, Hospital Helper, $180; resigned. Charles Bock, Hospital Helper-Mechanic, $600; resigned.

July 14—Jennie Tiernan, Hospital Helper, $180; resigned.

July 15—Elizabeth King, Pupil Nurse, $96; finished course.

July 16—Annie Haverone, Hospital Helper, $180; resigned.

July 19—Peter Healy, Hospital Helper, $240; resigned.

July 21—Susie McGloin, Pupil Nurse, $96; finished course.

July 23—Theresa Gunnings, Pupil Nurse, $96; finished course.

FORDHAM HOSPITAL.

Appointments.

June 25—Nellie Carney, Hospital Helper, $180, vice Annie Murray, $180.

June 28—Lottie Sutton, Laundress, $216, vice Lizzie Taggart, $216.

July 1—George Nelson, Hospital Helper, $240, vice Joseph Hausler, $240; Mary Duffy, Laundress, $180, title changed from Hospital Helper, vice Mary Gay, $180; Mary May, Hospital Helper, $180, vice Mary Duffy, $180, transferred; John Hegedus, Hospital Helper-Mechanic, $600, vice Michael J. Hogan, $600; Jennie Patterson, Hospital Helper, $180, additional (for vacations); Edgar Wood, Hospital Helper, $240, additional (for vacations); Mary Early Hale, Housekeeper, $720, title changed from Trained Nurse; Julius Favre, Laundryman, $600, title changed from Hospital Helper; Daniel Griffin, Hospital Helper-Mechanic, $600, title changed from Hospital Helper.

July 2—Agnes Dahl, Laundress, $240, vice Esther Taylor, $240; Patrick McArdle, Fireman, $3 a day, transferred from Bellevue Hospital, vice Edward F. Sheehan, $3.

July 4—Henry Raper, Orderly, $240, vice Bryan Johnson, $240.

July 5—Esther Taylor, Hospital Helper, $180, vice Mary May, $180.

July 7—Michael Coligas, Hospital Helper, $240, vice Edward Clark, $240; George Ramsdale, Laundryman, $240, vice Fred Waite, $240.

July 8—Patrick Finn, Orderly, $240, vice Alexander Allen, $240.

July 9—Edward F. Sheehan, Fireman, $3 a day, resumed duty, vice Patrick McArdle, $3.

July 13—David Cowan, Orderly, $240, vice Thomas Fennell, $240.

July 17—Margaret Neilson, Head Pupil Nurse, $300, vice Emma Kehrig, $240.

July 19—Lizzie Harding, Hospital Helper, $180, vice Agnes Murray, $180; Joseph Muller, Orderly, $240, vice David Cowan, $240.

July 20—Edward Conway, Driver, $600, transferred from Bellevue Hospital, additional (for vacations).

July 22—John Lucas, Hospital Helper-Mechanic, $600, resumed duty.

July 25—Esther Taylor, Hospital Helper, $180, reappointed.

Increase in Salary.

July 1—Mary Brophy, Waitress, from $240 to $300.

Dismissals, Resignations, etc.

June 26—Lizzie Taggart, Laundress, $216; resigned.

June 30—Edward Clark, Hospital Helper, $240; unsatisfactory. Joseph Hausler, Hospital Helper, $240; unsatisfactory. Esther Taylor, Laundress, $240; resigned. Mary Gay, Laundress, $180; resigned. Michael J. Hogan, Hospital Helper-Mechanic, $600; resigned.

July 2—Bryan Johnson, Orderly, $240; intoxication. Edward F. Sheehan, Fireman, $3 a day; leave of absence.

July 4—Mary May, Hospital Helper, $180; unsatisfactory.

July 6—Fred Waite, Laundryman, $240; resigned. Alexander Allen, Orderly, $240; resigned.

July 7—Patrick McArdle, Fireman, $3 a day; transferred to Bellevue Hospital.

July 12—Agnes Murray, Hospital Helper, $180; unsatisfactory. Thomas Fennall, Orderly, $240; resigned.

July 13—Catherine Campbell, Head Pupil Nurse, $300; finished course.

July 14—John Lucas, Hospital Helper-Mechanic, $600; leave of absence.

July 17—David Cowan, Orderly, $240; resigned.

July 19—Esther Taylor, Hospital Helper, $180; resigned.

July 21—Jennie Patterson, Hospital Helper, $180; unsatisfactory.

July 22—Annie Kerns, Hospital Helper, $180; absence.

Mr. O'Keeffe reported receipt of the following bids on September 7, 1909:

John H. Parker Company	$445,750 00
P. J. Carlin Construction Company	456,700 00
Charles Mead & Co	461,000 00
F. J. Nesbit & Co	465,400 00
Clarke & Stowe	467,000 00
Luke A. Burke & Sons Company	474,750 00
J. F. Walsh Construction Company	480,000 00
Thomas McKeown	487,700 00
John Kennedy & Co	502,000 00
Charles H. Peckworth	512,300 00
Joseph di Benedetto	515,594 00
George Hildebrand	516,800 00

On motion, duly seconded, it was

Resolved, to request permission from the Comptroller to award the contract for the erection and completion of the laundry building to the John H. Parker Company, the lowest bidder.

Communications.

A communication dated August 17 was received from Messrs. McKim, Mead & White, with blueprints, showing the height of doors in Pavilions L and M. On motion, duly seconded and carried, this matter was referred to the Chairman of the Building Committee, Mr. Farley, for recommendation and report.

A communication dated August 17 was received from Messrs. Parish & Schroeder with a drawing of the fence for the training school and with a copy of the application to the Bureau of Buildings. On motion, duly seconded and carried, this matter was referred to the Chairman of the Building Committee, Mr. Farley, for recommendation and report.

A bill dated August 1 was received from Dr. Edward L. Kellogg for cab hire on June 13, June 21, June 22 and June 28, amounting to $13. On motion, duly seconded and carried, this bill was approved for payment.

A communication dated August 26 was received from Dr. Byron C. Darling, X-ray Photographer, asking permission to do photographic work for the Department of Public Charities. On motion, duly seconded and carried, this permission was granted provided proper arrangements can be made and the Finance Department approves of such arrangement.

A communication dated August 17 was received from Dr. Alwin M. Pappenheimer asking that the Department bear the expense involved in the reproduction of illustrations for an article on the thymus gland to be published in the "Journal of Medical Research." On motion, duly seconded and carried, this matter was referred to the General Medical Superintendent for report as to whether or not the work may be done through the office of the City Record.

Notices of liens against the moneys due on Cockerill's contract for the Pathological Building and Male Dormitory were received and referred to the architects for attention.

A communication dated August 15, 1909, was received from the Department of Taxes and Assessments asking for a list of property owned by the Department. On motion, duly seconded and carried, this matter was referred to the General Medical Superintendent with power.

The General Medical Superintendent presented the following list of changes in the help, and, on motion, duly seconded and carried, these changes were approved:

BELLEVUE HOSPITAL.

Appointments, Week Ending July 10, 1909.

July 4—Mary McFarland, Hospital Helper, $180, vice Lizzie Wallace, $180; Evelyn Fraser, Trained Nurse, $600, reappointed; William Lansing, Trained Nurse, $600, vice Viggo Woldsen, $600.

July 5—Grace Collopy, Head Pupil Nurse, $300, vice Cornelia Kruger, $300, promoted; Anastatia O'Brien, Hospital Helper, $180, additional (for vacations); Minnie O'Donohue, Hospital Helper, $180, additional (for vacations); Agnes Hanley, Trained Nurse, $600, additional (B-5); Joe Weiss, Hospital Helper, $216, reduced from Cook at $300, vice Rose Conerty, $216; Patrick Doyle, Cook, $300, vice Joe Weiss, $300, reduced.

July 6—Katherine Cassin, Head Pupil Nurse, $300, vice Mary Capron, $300, promoted; James Day, Hospital Helper, $240, vice Edward Brady, $240; Charles McMonigal, Hospital Helper, $240, vice Thomas Dwyer, $240; Norah Callahan, Hospital Helper, $180, vice Lizzie Thompson, $180; Sophia Reynolds, Trained Nurse, $720, resumed duty; Ellen Tucker, Trained Nurse, $600, vice Rose Penny, $600; Lois Amos, Head Pupil Nurse, $300, vice Vellettia Shuttleworth, $300; Edith Hanson, Trained Nurse, $600, promoted from Head Pupil Nurse, at $300, additional (for vacations).

July 7—Mary Russell, Hospital Helper, $180, vice Viola Friedman, $180; John Conway, Engineer, $4.50 a day, resumed duty; John Smith, No. 2, Waiter, $240, vice George Cutler, $240; Mary Naugle, Trained Nurse, $600, additional (B-5); John Cajander, Hospital Helper, $180, vice James Lais, $180.

July 8—Patrick McArdle, Fireman, $3 a day, transferred from Fordham Hospital, resumed duty; Alice Dunlop, Pupil Nurse, $96, vice Ellen Tucker, $96; Juliana Butanovice, Head Pupil Nurse, $300, vice Mary Warren, $300; Nellie Glenn, Head Pupil Nurse, $300, vice Edith Hanson, $300, promoted; Mary Lippoldt, Hospital Helper, $180, vice Hannah Peterson, $180; Josephine O'Connor, Laundress, $216, vice Joe Weiss, $216.

July 9—Edward Williams, Hospital Helper, $240, vice James Carr, $240; Mary Darcy, Hospital Helper, $180, vice Mary McConville, $180.

July 10—Freda Shambech, Hospital Helper, $180, vice Anastatia O'Brien, $180; Katie Delea, Hospital Helper, $180, additional (Lazarus Pavilion).

May 25—Abraham Lunn, Trained Nurse, $600.

June 26—Annie Cavanagh, Hospital Helper, $180, vice Annie Watson, $180.

July 1—Anna Murphy, Hospital Helper, $180, vice Bridget Burns, $180; Thomas G. Anderson, Supervisor (temporary), $720, title changed from Trained Nurse;

Byron C. Darling, X-Ray Photographer (temporary), $1,800, additional; August Radder, Hospital Clerk (temporary), $600, title changed from Hospital Helper; Mary Leyden, Seamstress, $240, name changed from Mary Laden.

July 2—George Ward, Hospital Helper, $240, vice August Schlieder, $240.

Increases in Salary.

July 1—Michael Jennings, Hospital Helper, from $240 to $300; George Hunter, Hospital Helper-Mechanic, from $480 to $600; Julius Vosen, Cook, from $720 to $900; Marie Louis, Trained Nurse, from $800 to $900; Charles B. Hayes, Trained Nurse, from $800 to $900; Mary Wadley, Trained Nurse, from $800 to $900; Mary Hallahan, Trained Nurse, from $800 to $900; Genevieve Wilson, Trained Nurse, from $800 to $900; Frances Stone, Trained Nurse, from $800 to $900; Paul Heidenheim, Laundryman, from $240 to $300.

Dismissals, Resignations, etc., Week Ending July 10, 1909.

July 4—Kate Carroll, Hospital Helper, $240; illness.

July 5—Edward Brady, Hospital Helper, $240; absence. Thomas Dwyer, Hospital Helper, $240; intoxication. Lizzie Thompson, Hospital Helper, $180; resigned. Ellen Tucker, Pupil Nurse, $96; finished course. Cecile Finch, Pupil Nurse, $96; illness. Hannah Peterson, Hospital Helper, $180; absence.

July 6—James Lais, Hospital Helper, $180; incompetence. Joe Weiss, Hospital Helper, $216; resigned. Viola Friedman, Hospital Helper, $180; resigned. George Cutler, Waiter, $240; unsatisfactory. Bessie Brady, Head Pupil Nurse, $300; resigned. Evelyn Fraser, Trained Nurse, $600; resigned. Sophia Wagonhoffer, Trained Nurse, $600; resigned. Frank Clifford, Hospital Helper, $240; absence.

July 7—Mary Naugle, Trained Nurse, $600; resigned. Anna McEachern, Pupil Nurse, $96; illness.

July 8—William J. Forbes, Pupil Nurse, $120; resigned. Helen Perry, Pupil Nurse, $96; finished course. Agnes Hanley, Trained Nurse, $600; resigned. James Carr, Hospital Helper, $240; incompetence. Mary McConville, Hospital Helper, $180; illness.

July 9—Anastatia O'Brien, Hospital Helper, $180; illness.

July 10—Florence Ryan, Trained Nurse, $720; leave of absence. Albert Hill, Hospital Helper, $240; resigned.

June 25—Annie Watson, Hospital Helper, $180; absence.

June 30—August Schlieder, Hospital Helper, $240; resigned. Bridget Burns, Hospital Helper, $180; unsatisfactory.

BELLEVUE HOSPITAL.

Appointments, Week Ending July 17, 1909.

July 12—Agnes Dugan, Hospital Helper, $180, additional (for vacations); Helen Perry, Trained Nurse, $600, vice Evelyn Fraser, $600; Mary Devine, Hospital Helper, $180, vice Bertha Miller, $180; Joseph Shannon, Hospital Helper, $240, vice Eugene Kiernan, $240; Clarence Hart, Hospital Helper, $240, vice Horace Evans, $240; Joseph Talbot, Hospital Helper, $240, vice George Ward, $240; John Murphy, Hospital Helper, $240, vice Albert Hill, $240.

July 13—Thomas Harkins, Hospital Helper (mechanic), $600, additional; Eliza Sly, Trained Nurse, $600, vice Mary Naugle, $600; Jennie Carnes, Trained Nurse, $600, vice Agnes Hanley, $600; Anna Shine, Hospital Helper, $180, vice Delia Murphy, $180; Robert Mather, Hospital Helper, $240, vice Charles Butler, $240; Elsie Shields, Hospital Helper, $180, vice Mary Russell, $180; Patrick Devlin, Hospital Helper, $240, vice Henry Roche, $240; Frank Vanderveer, Hospital Helper, $240, vice Dennis Kelly, $240.

July 14—Mary Dowling, Hospital Helper, $180, vice Mary Lamb, $180; Kate Conboy, Hospital Helper, $180, vice Mary Reilly, $180; William Leighton, Hospital Helper, $240, vice Theodore Brunsecker, $240.

July 15—Edna Marsh, Trained Nurse, $600, resumed duty; Hedwig Althoff, Pupil Nurse, $96, resumed duty; Martha Petersdorf, Trained Nurse, $600, vice Sophia Wagonhoffer, $600; Nellie Crowley, Hospital Helper, $180, vice Kate Delea, $180; Mary Sullivan, Hospital Helper, $180, vice Mary Brady, $180; John Black, Hospital Helper, $240, vice Mihran Aramian, $240; Thomas Kirby, Hospital Helper, $240, vice Andrew Quinn, $240; Iva Davis, Trained Nurse, $600, vice Jennie Carnes, $600; Eugene Brady, Hospital Helper, $240, vice George Morton, $240; John Dooley, Hospital Helper, $240, vice William Mahoney, $240; Helen Fagan, Hospital Helper, $180, vice Mary Gounod, $180; William Beckley, Hospital Helper, $240, vice John Rockfort, $240.

July 16—Sarah Ashie, Cook, $300, vice Agnes Clark, $300; Winifred Coyle, Head Pupil Nurse, $300, vice Bessie Brady, $300; Henrietta Kelly, Hospital Helper, $180, vice Annie Dixon, $180; John Kerrigan, Hospital Helper, $240, vice Frank DeLoughry, $240; Maggie Nugent, Laundress, $180, vice Libbie Parhurson, $180; Barnard Reilly, Hospital Helper, $240, vice Henry Reihl, $240; Sara Allen, Trained Nurse, $600, Vice Iva Davis, $600; Frank Smith, Hospital Helper, $240, vice Joseph Reddy, $240.

July 17—Sarah Dugan, Hospital Helper, $180, additional (for vacations); Mary Schuchman, Hospital Helper, $180, vice Sara Rielly, $160; Frank Judge, Hospital Helper, $240, vice Robert Mather, $240; Robert J. Mitchell, Hospital Helper, $240, vice Charles Dunn, $240; Mary McConville, Hospital Helper, $180, resumed duty, vice Katherine Costello, $180; Chauncey Leise, Trained Nurse, $600, vice William Lansing, $600; Thomas Rooney, Waiter, $240, vice John Smith (No. 2), $240; Anastatia O'Brien, Hospital Helper, $180, resumed duty, vice Mary Mahr, $180; William Mahoney, Hospital Helper, $240, additional (for vacations); Julius Spielmann, Hospital Helper, $240, vice Patrick Doyle, $300.

Dismissals, Resignations, etc.

July 11—Martha Petersdorf, Pupil Nurse, $96; finished course. Bertha Miller, Hospital Helper, $180; resigned. Eugene Kiernan, Hospital Helper, $240; resigned. Horace Evans, Hospital Helper, $240; intoxication. Delia Murphy, Hospital Helper, $180, resigned.

July 12—Agnes Clark, Cook, $300; absence. Hedwig Althoff, Pupil Nurse, $96; illness. Katherine Cassin, Head Pupil Nurse, $300; resigned. Charles Butler, Hospital Helper, $240; resigned. Mary Russell, Hospital Helper, $180; absence. Henry Roche, Hospital Helper, $240; absence. Dennis Kelly, Hospital Helper, $240; unsatisfactory.

July 13—Patrick Doyle, Cook, $300; resigned. Kate Delea, Hospital Helper, $180; absence. Sarah Rielly, Hospital Helper, $180; absence. Mary Lamb, Hospital Helper, $180; absence. Mary Rielly, Hospital Helper, $180; illness. Theodore Brunsecker, Hospital Helper, $240; resigned.

July 14—Alice Murphy, Hospital Helper, $180; absence. Mary Brady, Hospital Helper, $180; absence. Mihran Aramian, Hospital Helper, $240; resigned. Andrew Quinn, Hospital Helper, $240; resigned. Annie Dixon, Hospital Helper, $180; absence. Robert Mather, Hospital Helper, $240; resigned. Jennie Carnes, Trained Nurse, $600; resigned. Charles Dunn, Hospital Helper, $240; absence. George Morton, Hospital Helper, $240; absence. William Mahoney, Hospital Helper, $240; absence. Mary Gounod, Hospital Helper, $180; absence. Katherine Costello, Hospital Helper, $180; absence. Annie Delaney, Hospital Helper, $180; absence. John Rockfort, Hospital Helper, $240; absence. Charles Baunschner, Hospital Helper, $240; illness.

July 15—Joseph Reddy, Hospital Helper, $240; unsatisfactory. Margaret Cudmore, Hospital Helper, $180; resigned. Frank DeLoughry, Hospital Helper, $240; neglect of duty. Eliza Quick, Hospital Helper, $180; no longer needed. Libbie Parhurson, Laundress, $180; absence. Henry Reihl, Hospital Helper, $240; resigned. Iva Davis, Trained Nurse, $600; resigned. John Smith (No. 2), Waiter, $240; illness.

July 16—Elizabeth Waite, Head Pupil Nurse, $300; resigned. Charles F. Rover, Hospital Helper, $240; illness. Sara Allen, Trained Nurse, $600; resigned. Eliza Sly, Trained Nurse, $600; resigned. William Lansing, Trained Nurse, $600; illness. Fred Graul, Trained Nurse, $600; resigned. Frank Overton, Hospital Helper, $240; illness. Mary Mayr, Hospital Helper, $180; unsatisfactory.

July 17—Delia Hogan, Hospital Helper, $180; intoxication. Julia Halligan, Hospital Helper, $180; intoxication. Margaret Hill, Hospital Helper, $180; absence. Katherine Piffer, Hospital Helper, $180; absence.

Dismissals, Resignations, etc., 1909.

July 10—Ruth Clark, Trained Nurse (boat "Southfield"), $720; leave of absence.

BELLEVUE HOSPITAL.

Appointments Week Ending July 24, 1909.

July 18—Hermine Schlobohm, Pupil Nurse, $96, vice Helen Perry, $96; Nora Phillips, Trained Nurse, $600, vice Sara Allen, $600; Thomas Sheery, Hospital Helper, $240, vice Frank Overton, $240.

July 19—Frank Clifford, Hospital Helper, $240, reappointed; Maggie Smith, Hospital Helper, $180, vice Delia Hogan, $180; Lizzie Devlin, Hospital Helper, $180, vice Julia Halligan, $180; James Smith, Fireman, $3 a day, resumed duty, vice John Browne, $3 a day; Cornelius Farley, Hospital Helper, $240, vice Charles F. Rover, $240; Katie Delea, Hospital Helper, $180, vice Katherine Piffer, $180; John Burns, Hospital Helper, $240, vice Thomas Monahan, $240; Jacob Rosenman, Hospital Helper, $240, vice Clarence Hart, $240; Gussie Shields, Waitress, $300, promoted from $240, vice Lizzie Faubel, $300; Julia White, Waitress, $240, vice Gussie Shields, $240, promoted.

July 20—Irene Vaugh, Trained Nurse, $600, vice Eliza Sly, $600; Daniel Lyons, Laundryman, $480, vice William Carroll, $480; Nora Callahan (No. 2), Hospital Helper, $180, additional (temporary); Mary Sheridan, Laundress, $180, vice Mary Bissman, $180; Nora Fay, Hospital Helper, $180, vice Margaret Hill, $180.

July 21—Agnes Benson, Head Pupil Nurse, $300, vice Katherine Cassin, $300; Annie Feather, Hospital Helper, $180, vice Henrietta Kelly, $180; Lawrence McLean, Hospital Helper, $240, vice Peter Lally, $240; Joseph T. O'Rielly, Hospital Helper, $240, additional (for vacations).

July 22—Maggie Murray, Hospital Helper, $180, vice Mary Hughes, $180; Mary Mahoney, Hospital Helper, $180, vice Mary Dowling, $180; William J. Healey, Hospital Helper, $240, vice Frank Drought, $240; James Graham, Laundryman, $240, additional; Tony Lucke, Laundryman, $240, additional; Margaret Green, Laundress, $180, vice Margaretta Sullivan, $180; Columbia Crudup, Trained Nurse, $600, additional.

July 23—Bessie Mertz, Hospital Helper, $180, vice Pauline Katz, $180; Henrietta Kelly, Hospital Helper, $180, vice Nora Callahan (No. 2), $180; Emanuel Hamel, Hospital Helper, $240, additional (for vacations).

July 24—Maggie Brady, Hospital Helper, $180, vice Annie McManus, $180; Agnes Miller, Cook, $300, additional (for vacations).

August 2—Tillie Youse, Head Pupil Nurse, $300, vice Elizabeth Waite, $300; Palmer William Malloy, Hospital Helper, $240, vice Thomas Reilly, $240; Catherine Finan, Pupil Nurse, $96, vice Martha Petersdorf, $96; Ruth Candler, Trained Nurse, $600, transferred from boat "Southfield."

August 3—Flora McKinnon, Head Pupil Nurse, $300, vice Margaretta Cooley, $300; Stephen Gallagher, Trained Nurse, $600, vice James Norris, $600; Nellie Clark, Hospital Helper, $180, vice Katie Delea, $180; Katie Henen, Hospital Helper, $180, vice Mary Murray (No. 3), $180; Katie Mar, Hospital Helper, $180, vice Helen Fox, $180; Daniel Oxberry, Hospital Helper, $240, vice Edward Williams, $240.

August 4—Catherine Herbert, Hospital Helper, $180, vice Mary Butler (No. 1), $180; Clara Marshall, Head Pupil Nurse, $300, additional; Kate Deery, Waitress, $180, vice Mary Cowan, $180, promoted; Catherine Piffer, Hospital Helper, $180, vice Mary Darcy, $180; Esther McLaren, Hospital Helper, $180, vice Mary Dunn (No. 2), $180.

August 5—Edward P. Betteman, Hospital Helper, $240, vice Frank Sweeney, $240; Marcus Driscoll, Hospital Helper, $240, additional (for vacations).

August 6—Mamie Hanchen, Hospital Helper, $180, vice Maggie Welsh, $180; Annie Dixon, Hospital Helper, $180, vice Annie Healey, $180; Kate O'Neil, Hospital Helper, $180, vice Bridget Hynes, $180; Anna Rourke, Hospital Helper, $180, vice Jennie Kelly, $180; Frank Walters, Hospital Helper, $240, vice August Reinig, $240; Johanna Christenson, Trained Nurse, $600, promoted from Head Pupil Nurse at $300, additional.

Dismissals, Resignations, etc.

July 18—Lizzie Faubel, Waitress, $300; resigned. John Browne, Fireman, $3 a day; no longer needed. Laura A. Ramsdell, Expert Cataloguer, $900; resigned. Nora Phillips, Trained Nurse, $600; resigned. Thomas Monahan, Hospital Helper, $240; illness. Clarence Hart, Hospital Helper, $240; disorderly conduct. Mary Bissman, Laundress, $180; intoxication.

July 19—Mary Ryan, Trained Nurse, $720; leave of absence. Edward Conway, Driver, $600; transferred to Fordham Hospital. William Carroll, Laundryman, $480; resigned. Peter Lally, Hospital Helper, $240; insubordination. Mary Kelly (No. 1), Waitress, $264; illness.

July 20—Margaretta Sullivan, Laundress, $180; resigned. Henrietta Kelly, Hospital Helper, $180; incompetence.

July 21—Mary Hughes, Hospital Helper, $180; illness. Mary Dowling, Hospital Helper, $180; illness. Lewis Wittels, Hospital Helper, $240; absence. Frank Drought, Hospital Helper, $240; illness.

July 22—Pauline Katz, Hospital Helper, $180; unsatisfactory. Joseph P. Howell, Pupil Nurse, $120; resigned. Nora Callahan (No. 2), Hospital Helper, $180; unsatisfactory. William Mahoney, Hospital Helper, $240; resigned. Alfred Secor, Head Pupil Nurse, $300; resigned. Wilson Stuart, Trained Nurse, $600; resigned.

July 23—James McGrath, Hospital Helper, $240; resigned. Annie McManus, Hospital Helper, $180; resigned. George C. Gade, Pupil Nurse, $120; unsatisfactory. Robert Kelly, Pupil Nurse, $120; unsatisfactory.

July 24—Peter Mulvihill, Hospital Helper, $480; resigned. Margaret Green, Laundress, $180; resigned. May Ivers, Laundress, $180; absence.

Appointment.

July 18—Rebecca Markowitz, Hospital Helper, boat "Westfield," $240, additional.

BELLEVUE HOSPITAL.

Appointments, Week Ending July 31, 1909.

July 25—Mathew K. Dunne, Hospital Helper, $480, promoted from $360, vice Peter Mulvihill, $480; Robert J. Semple, Hospital Helper, $360, vice Mathew K. Dunne, $360, promoted; Mary Coleman, Trained Nurse, $600, vice Nora Phillips, $600.

July 26—Kate Farrell, Hospital Helper, $180, vice Lewis Wittels, $240; Annie Watson, Hospital Helper, $180, vice Margaret Cushing, $180; Minnie Martin, Waitress, $264, vice Mary Kelly No. 1, $264; Ernest Ware, Trained Nurse, $600, vice Fred Graul, $600; Warren Halliday, Trained Nurse, $600, vice Wilson Stuart, $600; Mary Dunn, No. 2, Hospital Helper, $180, vice Mary McFarland, $180; Roy E. Harding, Hospital Helper-Mechanic, $480, additional.

July 27—Charles F. Rover, Hospital Helper, $240, resumed duty, vice Frank Clifford, $240; Sarah Murphy, Laundress, $180; vice Margaret Green, $180; Lizzie Kennedy, Laundress, $180, vice May Ivers, $180; Maggie Welsh, Hospital Helper, $180, additional (for vacations).

July 28—Mary Campbell, Hospital Helper, $180, vice Margaret Kearns, $180; Ray Briggs, Trained Nurse, $600, vice Lloyd Johnson, $600; Frank McGann, Trained Nurse, $600; vice Ernest Ware, $600; Louise Acker, Waitress, $216, vice Margaret O'Hare, $216.

July 29—Hanna Peterson, Hospital Helper, $180, vice Delia Logan, $180; Helen Fox, Hospital Helper, $180, vice Susan Kelly, $180; Mary Hughes, Hospital Helper, $180, resumed duty, vice Mary Malloy, $180; Mary Sheridan, Hospital Helper, $180, transferred from Laundress at $180, vice Annie Cavanaugh, $180; Margaret Burke, Hospital Helper, $180, vice Nellie Brady, $180; Mary Cusick, Hospital Helper, $180, vice Margaret Cudmore, $180.

July 30—Bridget Cunningham, Laundress, $180, vice Mary Sheridan, $180, transferred; Eva Bickford, Head Pupil Nurse, $300, resumed duty; Mary Conway, Hospital Helper, $180, vice Kate O'Neil, $180; Annie Driscoll, Hospital Helper, $180, vice Lizzie Wordsworth, $240.

July 31—John Quinlan, Trained Nurse, $600, vice Warren Halliday, $600; Delia Ward, Hospital Helper, $180, vice Kate Henry, $180; Annie Burns, Hospital Helper, $180, vice Maggie Manney, $180; Myrtle Rose, Trained Nurse, $600, vice Irene Vaugh, $600.

Dismissals, Resignations, etc.

July 25—Margaret Cushing, Hospital Helper, $180; absence. Frank Clifford Hospital Helper, $240; absence. John Conway, Engineer, $4.50 a day; leave of absence. Elmer Tempest, Trained Nurse, $600; unsatisfactory. Margaretta Cooley, Head Pupil Nurse, $300; resigned. Mary McFarland, Hospital Helper, $180; illness.

July 26—Robert Bachman, Pupil Nurse, $120; resigned. William Oilschlager, Pupil Nurse, $120; resigned. Margaret Kearns, Hospital Helper, $180; undesirable.

Mary Butler, No. 1, Hospital Helper, $180; undesirable. Lloyd Johnson, Trained Nurse, $600; resigned. Warren Halliday, Trained Nurse, $600; resigned. Ernest Ware, Trained Nurse, $600; resigned. Eva Bickford, Head Pupil Nurse, $300; illness. Thomas McDonald, Laundryman, $240; absence.

July 27—Delia Logan, Hospital Helper, $180; unsatisfactorv. Susan Kelly, Hospital Helper, $180; resigned. Mary Malloy, Hospital Helper, $180; absence. James Norris, Trained Nurse, $600; unsatisfactory. Irene Vaugh, Trained Nurse, $600; resigned. Margaret O'Hare, Waitress, $216; unsatisfactory. Nellie Brady, Hospital Helper, $180; unsatisfactory.

July 28—Annie Cavanaugh, Hospital Helper, $180; unsatisfactory. Joseph Talbot, Hospital Helper, $240; incompetence. Kate O'Neil, Hospital Helper, $180; absence.

July 29—John Tyler, Hospital Helper, $240; resigned. Maggie Nugent, Laundress, $180; absence. Mary Gaffney, Hospital Helper, $240; illness. Lizzie Wordsworth, Hospital Helper, $240; unsatisfactory.

July 30—Chauncey Leise, Trained Nurse, $600; resigned. Kate Henry, Hospital Helper, $180; illness. Maggie Manney, Hospital Helper, $180; absence. Thomas Reilly, Hospital Helper, $240; resigned.

July 31—Katie Delea, Hospital Helper, $180; resigned. Charles P. Wray, Hospital Helper, $360; resigned. Mary Murray, No. 3, Hospital Helper, $180; resigned. Maggie Welsh, Hospital Helper, $180; illness. Julia White, Waitress, $240; resigned. Edward Kelley, Hospital Helper, $240; intoxication. Patrick Corcoran, Hospital Helper, $240; resigned. John Dooley, Hospital Helper, $240; absence. Henry Baxter, Hospital Helper, $360; resigned. Helen Perry, Trained Nurse, $600; resigned. Philip Bock, Trained Nurse, $720; resigned. Lizzie Gibbons, Waitress, $240; illness.

Appointments, General Administration.

July 27—Clara A. Comba, Stenographer, $750, vice Margaret J. Patterson, $750.

Dismissals, Resignations, etc.

July 26—Margaret J. Patterson, Stenographer, $750; resigned.
July 31—Frank Eckstein, Contract Clerk, $1,950; removed on charges.

BELLEVUE HOSPITAL.

Appointments, Week Ending August 7, 1909.

August 1—Louise Acker, Waitress, $240, promoted from $216, vice Julia White $240; Margaret Burke, Waitress, $216, promoted from Helper at $180, vice Louise Acker, $216, promoted; Fred Booz, Hospital Helper, $240, vice Gustave Hagborg, $240, promoted; Florence Ryan, Trained Nurse, $720, resumed duty; Louise Barron, Head Pupil Nurse, $300, vice Alice Elwell, $300; Mattie Beck, Head Pupil Nurse, $300, additional; Gustave Hagborg, Hospital Helper, $300, promoted from $240, vice Henry Baxter, $360; Mary Knight, Hospital Helper, $216, reduced from Laundress at $240; Charles Richardson, Hospital Helper, $240, vice John Tyler, $240; John B. Reynolds, Jr., Pupil Nurse, $120, vice Herman Knies, $120; Frances Newark, Pupil Nurse, $96, vice Cecile Finch, $96.

August 2—George Cross, Laundryman, $240, vice Thomas McDonald, $240; Kate Brown, Laundress, $180, vice Maggie Nugent, $180; Mary Cowan, Waitress, $240, promoted from $180, vice Fannie Healy, $240; Katie McDonagh, Hospital Helper, $180, vice Margaret Burke, $180, promoted; William Bates, Hospital Helper, $240, vice Patrick Corcoran, $240; Joseph Quinn, Hospital Helper, $240, vice John Dooley, $240; Sarah Shaw, Trained Nurse, $600, vice Mary Hallahan, $900; Eva McLaughlin, Head Pupil Nurse, $300, additional; Anna Rochford, Head Pupil Nurse, $300, additional; Mae Finnegan, Head Pupil Nurse, $300, additional; Reuben Moore, Trained Nurse, $720, promoted from $600, vice Philip Bock, $720.

August 6—Charles McNamara, Hospital Helper, $240, additional (for vacations); Nellie Roberts, Hospital Helper, $240, promoted from $180, vice Kate Carroll, $240.

August 7—William Leonard, Hospital Helper, $240, vice Edward Kelley, $240; Bernard Coyle, Hospital Helper, $240, vice Frank Schuler, $240; James Cunningham, Hospital Helper, $240, vice Bernard Quinn, $240; John McEvily, Hospital Helper, $240, vice John Kerrigan, $240; Margaret Sheridan, Hospital Helper, $180, vice Mary Egan, $180; Mary Dowling, Hospital Helper, $180, vice Bridget Farland, $180; Mary Hoey, Hospital Helper, $180, vice Lizzie Devlin, $180; Torbjoin Lundbey, Laundryman, $240, vice Tony Lucke, $240.

Increases in Salary.

August 1—Anthony Gillespie, Hospital Helper, from $240 to $300; Louis C. Frees, General Inspector of Construction, from $2,000 to $2,400 (New Bellevue Hospital construction fund).

Dismissals, Resignations, etc.

August 1—Fannie Healy, Waitress, $240; unsatisfactory. Alice Elwell, Head Pupil Nurse, $300; resigned. Mary Hallahan, Trained Nurse, $900; resigned. Mary Dunn (No. 2), Hospital Helper, $180; resigned. Laura Jenkins, Pupil Nurse, $96; finished course. Tony Lucke, Laundryman, $240; illness.

August 2—Helen Fox, Hospital Helper, $180; unsatisfactory. John Quinlan, Trained Nurse, $600; resigned. Mary Darcy, Hospital Helper, $180; resigned. Edward Williams, Hospital Helper, $240; absence. Mary Campbell, Hospital Helper, $180; absence. Annie Healey, Hospital Helper, $180; absence.

August 3—Frances Stone, Trained Nurse, $900; resigned. Frank Sweeney, Hospital Helper, $240; absence.

August 4—Eva Bickford, Head Pupil Nurse, $300; resigned. Lizzie Devlin, Hospital Helper, $180; incompetence.

August 5—Kate Lamb, Laundress, $240; resigned. Frank Schuler, Hospital Helper, $240; resigned. Bernard Quinn, Hospital Helper, $240; absence. Joseph Egan, Hospital Helper, $240; intoxication. Bridget Farland, Hospital Helper, $180; absence. Bridget Hynes, Hospital Helper, $180; absence. Jennie Kelly, Hospital Helper, $180; absence. August Reinig, Hospital Helper, $240; illness. Ray Briggs, Trained Nurse, $600; resigned. Clara Goodenough, Trained Nurse, $600; leave of absence. Mabel Bishop, Trained Nurse, $720; leave of absence. Herman Reisman, Waiter, $240; unsatisfactory. Minnie O'Donohue, Hospital Helper, $180; position abolished.

August 6—Agnes Miller, Cook, $300; resigned. John Kerrigan, Hospital Helper, $240; absence. Mary Egan, Hospital Helper, $180; unsatisfactory. Frank McGann, Trained Nurse, $600; resigned. Theresa Cox, Trained Nurse, $800; leave of absence. Ella Underhill, Trained Nurse, $600; leave of absence.

August 7—Susan Taylor, Hospital Helper, $180; absence. William Burns, Hospital Helper, $240; absence. William McLaughlin, Hospital Helper, $240; absence. Richard Hartland, Hospital Helper, $240; intoxication. Jennie McCotter, Laundress, $240; resigned. Joseph T. O'Reilly, Hospital Helper, $240; incompetence. Mary Malone, Hospital Helper, $180; resigned. Margaret Cregg, Hospital Helper, $180; incapable. Mary Dowling, Hospital Helper, $180; incompetence. Armand Bouthillier, Hospital Helper, $240; resigned. Mae Finnegan, Head Pupil Nurse, $300; illness. William Olsen, Hospital Helper, $240; intoxication. Agnes O'Donnell, Laundress, $240; absence.

Appointments, Boats "Southfield" and "Westfield."

August 2—Ruth Clark, Trained Nurse, $720, resumed duty, vice Ruth Candler, $600.

August 3—Annie McCulloch, Trained Nurse, $600, vice Rebecca Kroner, $600; Helen Egginton, Trained Nurse, $600, vice Julia Marlborough, $600.

August 6—Sarah Rallya, Trained Nurse, $600 additional ("Westfield," night).

Dismissals, Resignations, etc.

July 31—Rebecca Kroner, Trained Nurse, $600; resigned.
August 1—Ruth Candler, Trained Nurse, $600; transferred to Bellevue Hospital.
August 2—Julia Marlborough, Trained Nurse, $600; resigned.
August 7—Frank Richmond, Hospital Helper, $240; intoxication.
August 7—Edward Adams, Hospital Helper, $300; neglect of duty.

BELLEVUE HOSPITAL.

Appointments, Week Ending August 14, 1909.

August 8—Thomas Fogarty, Hospital Helper, $240, vice William Burns, $240; Peter Byrne, Hospital Helper, $240, vice Joseph T. O'Reilly, $240.

August 9—Mary Ryan, Trained Nurse, $720; resumed duty; John McNeil, Hospital Helper, $240, vice Joseph Egan, $240; Stephen J. Riely, Hospital Helper, $240, vice Richard Hartland, $240; Edward Smith, Hospital Helper, $240, vice John O'Brien, $240; Squire Crapo, Hospital Helper, $180, additional (for vacations); Kittie Egen, Laundress, $240, vice Kate Lamb, $240; Theodore Baczyosk, Hospital Helper, $240, vice Frank Smith, $240; Kate L. Mangan, Cook, $300, additional (for vacations); Annie Pentz, Hospital Helper, $180, vice Mary Malone, $180; Mary Corbett, Hospital Helper, $180, vice Mary Dowling, $180; James E. Gerard, Hospital Helper, $300, promoted from $240, vice John Hahn, $300, reduced; John Hahn, Hospital Helper, $240, reduced from $300, vice James E. Gerard, $240, promoted; Edward J. Linden, Waiter, $240, vice Herman Reisman, $240; Mary Collins, Hospital Helper, $180, additional (for vacations).

August 10—Lizzie Kelly, Hospital Helper, $180, vice Susan Taylor, $180; Mary McGowan, Laundress, $240, vice Jennie McCotter, $240; Mary Russell, Hospital Helper, $180, vice Josephine Walsh, $180; Cecilia Coleman, Trained Nurse, $600, additional.

August 11—James Griffin, Hospital Helper, $240, vice James Campbell, $240; Lizzie Mulligan, Hospital Helper, $180, vice Margaret Cregg, $180; John Manning, Hospital Helper, $240, vice John Leonard, $240; John Brassel, Hospital Helper, $240, vice John Dietrich, $240; George Hayes, Hospital Helper, $240, vice Armand Bouthillier, $240; Mary Conklin, Hospital Helper, $180, vice Catherine Piffer, $180; Betty Robson, Head Pupil Nurse, $300, resumed duty; Mary Ivers, Laundress, $240, vice Agnes O'Donnell, $240.

August 12—Frank McMahon, Hospital Helper, $240, vice Jacob Feistandig, $240; Mary Mattes, Hospital Helper, $180, vice Katie McDonagh, $180; Kate O'Rourke, Hospital Helper, $180, vice Mary Robinson, $180; Ellen Price, Hospital Helper, $180, vice Mary Dunn (No. 1), $180; Mary Wilson, Hospital Helper, $180, vice Nora Foley, $180; Chauncey Baker, Hospital Helper, $240, vice Marcus Driscoll, $240; Nora O'Brien, Laundress, $180, vice Isabella O'Connell, $180.

August 13—Margaret Burke, Waitress, $240, promoted from $216, vice Louise Acker, $240; Irene Flannery, Waitress, $216, vice Margaret Burke, $216, promoted; Margaret O'Connell, Hospital Helper, $180, vice Mamie Willets, $180; Annie Farrell, Hospital Helper, $180, vice Anna Shine, $180; Charles Johnson, Hospital Helper, $240, vice Albert Helmer, $240; Annie Scanlan, Trained Nurse, $600, vice Columbia Crudup, $600.

August 14—Agnes Towne, Hospital Helper, $180, vice Mary Long (No. 2), $180; Joseph O'Connell, Hospital Helper, $240, vice George Hayes, $240; Onnig Smanian, Hospital Helper, $240, vice Thomas Kirby, $240.

Dismissals, Resignations, etc.

August 8—Frank Smith, Hospital Helper, $240; incompetence. John O'Brien, Hospital Helper, $240; absence. John Leonard, Hospital Helper, $240; absence.

August 9—Mary McCollum, Hospital Helper, $240; illness. James Campbell, Hospital Helper, $240; undesirable. James Smith, Fireman, $3 a day; absence. John Dietrich, Hospital Helper, $240; absence. Josephine Walsh, Hospital Helper, $180; absence. Josephine McMahon, Hospital Helper, $180; illness. Betty Robson, Head Pupil Nurse, $300; illness. Cecilia Coleman, Pupil Nurse, $96; finished course.

August 10—William Leonard, Hospital Helper, $240; resigned. John McNeil, Hospital Helper, $240; absence. Catherine Piffer, Hospital Helper, $180; illness.

August 11—Katie McDonagh, Hospital Helper, $180; resigned. Jacob Feistandig, Hospital Helper, $240; resigned. Mary Robinson, Hospital Helper, $180; incompetence. Mary Dunn (No. 1), Hospital Helper, $180; intoxication. Mary Long (No. 2), Hospital Helper, $180; absence. Nora Foley, Hospital Helper, $180; illness. George Hayes, Hospital Helper, $240; resigned. Thomas Kirby, Hospital Helper, $240; resigned. Mamie Willets, Hospital Helper, $180; resigned. Anna Shine, Hospital Helper, $180; intoxication. Albert Helmer, Hospital Helper, $240; absence. Marcus Driscoll, Hospital Helper, $240; resigned. Isabella O'Connell, Laundress, $180; intoxication.

August 12—Louise Acker, Waitress, $240; resigned. Nehemiah Gray, Trained Nurse, $600, leave of absence. Columbia Crudup, Trained Nurse, $600; resigned. James Munsy, Hospital Helper, $240; resigned.

August 13—Mary Devine, Hospital Helper, $180; resigned, August MacDonald, Pupil Nurse, $120; insubordination. Roy Williamson, Pupil Nurse, $120; insubordination. Francis Albertus, Pupil Nurse, $120; insubordination. Elvo S. Barghorn, Pupil Nurse, $120; insubordination.

August 14—Irene Flannery, Waitress, $216; resigned. Annie Pentz, Hospital Helper, $180; illness. Rose Reilly, Hospital Helper, $180; intoxication. Bessie Corwin, Hospital Helper, $180; intoxication. Jacob Roseman, Hospital Helper, $240; resigned. Kate Sweeney, Laundress, $180; resigned. Daniel Lyons, Laundryman, $480; resigned.

Appointments, Boats "Southfield" and "Westfield."

August 8—Jacob Beechel, Hospital Helper, $240, vice Frank Richmond, $240.
August 9—Gerald Simsocks, Hospital Helper, $300, vice Edward Adams, $300.
August 10—Charles Markowitz, Hospital Helper, $300, vice Louis Averilla, $240

Dismissals, Resignations, etc.

August 9—Louis Averilla, Hospital Helper, $240; insubordination.

Dismissals, Resignations, etc., General Administration.

August 14—Vincent O'Neill, Hospital Clerk (temporary), $720; resigned.

GOUVERNEUR HOSPITAL.

Appointments.

August 1—Mary Manning (No. 2), Hospital Helper, $240, promoted from Waitress at $216, vice Petra Asmundson, $240, reduced; Petra Asmundson, Waitress, $216, reduced from Helper at $240, vice Mary Manning (No. 2), $216, promoted; Benjamin Joseph Beck, Physician to Dispensary, $300, additional; William Narin, Physician to Dispensary, $300, additional; Joseph Babst, Physician to Dispensary, $300, additional; Isaac T. Starr, Physician to Dispensary, $300, additional; Samuel Moscowitz, Physician to Dispensary, $300, additional; David Baden, Physician to Dispensary, $300, additional; Charles W. Eveleth, Physician to Dispensary, $300, additional; M. M. Horowitz, Physician to Dispensary, $300, additional; I. L. Tunick, Physician to Dispensary, $300, additional; Joshua H. Friedman, Physician to Dispensary, $300, additional; H. Joseph Epstein, Physician to Dispensary, $300, additional; J. L. Nisonoff, Physician to Dispensary, $300, additional; M. Gilbert Seymour, Physician to Dispensary, $300, additional; Charlotte Blum, Physician to Dispensary, $300, additional; Patrick O'Connell, Hospital Helper, $240, vice Alexander Karella, $240; Floretta McCann, Laundress, $180, vice Katie Smith, $180; Agnes Nelson, Hospital Helper, $180, vice Mary Shandley, $180.

August 11—Louis Funari, Hospital Helper, $240, vice John Collins, $240; Matthew Rantuscka, Hospital Helper, $240, vice John Munan, $240.

August 12—Harry Smith, Hospital Helper, $240, vice Jeremiah Lyons, $240; Grace Hagan, Laundress, $180, vice Floretta McCann, $180.

August 15—John Goldman, Hospital Helper, $360, resumed duty.

August 16—Alfred Hopkins, Hospital Helper, $240, vice John Johnson, $240.

August 18—Stacia Kelter, Hospital Helper, $240, promoted from $180, vice Rose McCloskey, $240.

August 19—Harry Rolfs, Hospital Helper, $240, vice John Kinney, $240; Mary O'Connor, Hospital Helper, $180, vice Stacia Kelter, $180, promoted.

August 22—Richard Koblick, Hospital Helper, $300, promoted from $240, vice George Underhill, $300.

August 23—Charlotte Stotenburg, Waitress, $216, vice Katie Connelly, $216.

August 24—Bridget Koster, Laundress, $180, vice Grace Hagan, $180.

August 25—John Fallon, Hospital Helper, $240, vice Richard Koblick, $240, promoted.

Dismissals, Resignations, etc.

July 31—John Goldman, Hospital Helper, $360; leave of absence. Alexander Karella, Hospital Helper, $240; resigned. Katie Smith, Laundress, $180; resigned. Mary Shandley, Hospital Helper, $180; resigned.

August 10—John Collins, Hospital Helper, $240; intoxication. John Johnson, Hospital Helper, $240; intoxication. Jeremiah Lyons, Hospital Helper, $240; intoxication. John Munan, Hospital Helper, $240; absence. Floretta McCann, Laundress, $180; absence.

August 12—John Kinney, Hospital Helper, $240; absence.
August 15—Grace Hagan, Laundress, $180; resigned.
August 17—Rose McCloskey, Hospital Helper, $240; resigned. Harry O'Neill, Driver, $600; resigned.
August 21—Katie Connelly, Waitress, $216; resigned. George Underhill, Hospital Helper, $300; unsatisfactory.
August 25—Katherine Griffin, Hospital Helper, $180; absence. William Fields, Driver, $600; leave of absence.

HARLEM HOSPITAL.

Appointments.

July 27—William O'Leary, Hospital Helper-Mechanic, $600, vice Henry Miller, $600.
August 1—Albert Emmons, Hospital Helper-Mechanic, $600, vice Gustave Carlson, $600; Margaret Feeney, Hospital Helper, $240, vice Anna Boyle, $240; Peter Healy, Hospital Helper, $240, vice Harry Scherry, $240; Bernard McLane, Cook, $360, vice Thomas Sullivan, $360; Michael McManus, Hospital Helper, $240, vice Henry Smith, $240; Nora O'Donohue, Waitress, $180, vice Mary Tiernan, $180; Patrick Doyle, Hospital Helper, $240, vice George Wallon, $240; Kate Griffin, Hospital Helper, $180, vice Mary Philbin, $180, promoted.
August 3—Denis Murphy, Hospital Helper, $240, vice Thomas Shanley, $240.
August 11, 1909—Theresa Coha, Pupil Nurse, $96, vice Margaret Trainor, $96,
August 12—Virginia Watson, Pupil Nurse, $96, vice Maud Klock, $300; John Hanafin, Hospital Helper, $240, vice Morris Buckley, $240.
August 13—Anna Brown, Hospital Helper, $180, vice Kate Griffin, $180; Mary Brown, Cook, $720, vice Nellie Smith, $720.
August 14—Michael Gorman, Hospital Helper, $240, vice Patrick Doyle, $240.
August 15—Lizzie O'Connell, Waitress, $240, vice Margaret Gumber, $240.
August 17—Mary Clifford, Hospital Helper, $180, vice Jennie Cole, $180.
August 18—Ida Davis, Post-Graduate Nurse, $300, reappointed.
August 19—Annie Johnson, Post-Graduate Nurse, $300, vice Cora Mackey, $300.
August 20—Bridget Cleary, Hospital Helper, $180, vice Bertha Reynolds, $180, promoted; Bertha Reynolds, Hospital Helper, $240, promoted from $180, vice Lillian Korrigan, $240; Annie O'Brien, Hospital Helper, $240, vice Bridget Kenny, $240.
August 21—David Walsh, Hospital Helper, $240, vice Michael McManus, $240; Frank Murphy, Hospital Helper, $240, vice Peter Healy, $240; Mary Clifford, Hospital Helper, $240, promoted from $180, vice Mary Bracken, $240.
August 22—John Powers, Hospital Helper, $240, vice William Decano, $240.

Dismissals, Resignations, etc.

July 26—Henry Miller, Hospital Helper-Mechanic, $600; absence.
July 31—Maud Klock, Post-Graduate Nurse, $300; resigned. Ida Davis, Post-Graduate Nurse, $300; resigned. Gustave Carlson, Hospital Helper-Mechanic, $600; resigned. Anna Boyle, Hospital Helper, $240; incompetence. Harry Scherry, Hospital Helper, $240; resigned. Thomas Sullivan, Cook, $360; resigned. Henry Smith, Hospital Helper, $240; resigned. Mary Tiernan, Waitress, $180; resigned. George Wallon, Hospital Helper, $240; resigned. Thomas Shanley, Hospital Helper, $240; intoxication.
August 3—Cora Mackey, Post-Graduate Nurse, $300; resigned.
August 10—Margaret Trainor, Pupil Nurse, $96; resigned.
August 11—Morris Buckley, Hospital Helper, $240; absence.
August 12—Kate Griffin, Hospital Helper, $180; intoxication. Nellie Smith, Cook, $720. incompetence
August 13—Patrick Doyle, Hospital Helper, $240; resigned. Jennie Cole, Hospital Helper, $180; resigned.
August 14—Margaret Gumber, Waitress, $240; resigned.
August 15—Bessie Perkinson, Pupil Nurse, $96; resigned.
August 19—Lillian Korrigan, Hospital Helper, $240; resigned. Bridget Kenny, Hospital Helper, $240; resigned. Elizabeth Newman, Hospital Helper, $180; resigned.
August 20—Michael McManus, Hospital Helper, $240; resigned. Peter Healy, Hospital Helper, $240; absence. Mary Bracken, Hospital Helper, $240; resigned.
August 21—William Decano, Hospital Helper, $240; intoxication.
August 24—Agnes Rebholz, Trained Nurse, $600; leave of absence.

Appointments, Fordham Hospital (Continued).

July 26—Pearl Brown, Post-Graduate Nurse, $300, additional.
August 1—Mary Philbin, Laundress, $240, promoted from Helper at $180, additional,
August 16—Bessie Perkinson, Post-Graduate Nurse, $300, additional.

FORDHAM HOSPITAL.

Appointments.

July 24—Lizzie McKenna, Hospital Helper, $180, additional (for vacations); Mary Bolger, Hospital Helper, $180, vice Annie Kerns, $180.
July 27—Lottie Sutton, Laundress, $216, resumed duty; James Delaney, Hospital Helper, $240, vice Michael Coligas, $240.
July 29—Ernest James, Laundryman, $240, vice George Ramsdale, $240, transferred; Frank Bagdi, Orderly, $240, vice Thomas Rahill, $240; George Ramsdale, Hospital Helper, $240, title changed from Laundryman, vice Edgar Wood, $240.
July 30—Ellen Ryan, Hospital Helper, $180, vice Esther Taylor, $180.
July 31—Mary Finnigan, Hospital Helper, $180, vice Lizzie McKenna, $180; Alice Lynch, Hospital Helper, $180, additional (for vacations).
August 1—Mary Paul, Hospital Helper, $180, vice Florence Monroe, $180; Gertrude Dwyer, Pupil Nurse, $96, vice Laura LaForce, $96; Alberta Rhinehart, Pupil Nurse, $96, vice Mary Heiman, $96; Amelia Jones, Pupil Nurse, $96, vice Linnie Campbell, $96; Max Kruger, Orderly, $240, vice Frank Bagdi, $240; Katherine Emory, Trained Nurse, $600, additional (for vacations); Catherine Campbell, Trained Nurse, $600, additional (for vacations).
August 2—Margaret Shroder, Hospital Helper, $180, vice Ellen Ryan, $180.
August 3—James Dohnay, Orderly, $240, vice Max Kruger, $240.
August 6—Andrew Andryshowecz, Orderly, $240, vice William Nash, $240.
August 7—James Barry, Cook, $720, vice Joseph Reilly, $720; Matthew King, Hospital Helper, $240, vice Frank Karpels, $240, transferred.
August 8—Frank Karpels, Orderly, $240, title changed from Hospital Helper, vice William Renny, $240.
August 9—Lizzie Keenan, Laundress, $240, vice Sarah Corbett, $240.
August 10—Otto Schmidt, Orderly, $240, vice Henry Raper, $240.
August 11—Oliver Barrett, Orderly, $240, vice Frank Karpels, $240.
August 12—Edward Bennington, Orderly, $240, vice Andrew Andryshowecz, $240; John Davenport, Orderly, $240, vice Edward Malt, $240.
August 13—Oluf Smit, Orderly, $240, vice Michael Griffin, $240; John Soernson, Orderly, $240, vice William Cunningham, $240.
August 14—Agnes Moraine, Hospital Helper, $180, vice Mary Finnigan, $180; Annie Blades, Trained Nurse, $600, vice Blanche Swan, $600.
August 15—Maggie Gorman, Hospital Helper, $180, vice Elizabeth Croues, $180.
August 16—Erma Doughty, Post-Graduate Nurse, $300, vice Jennie Reddick, $300.
August 17—Charles Walters, Hospital Helper-Mechanic, $240, reappointed.
August 18—Margaret Stanger, Post-Graduate Nurse, $300, vice Anna Blades, $300.
August 19—Sophie Anderson, Laundress, $240, vice Lizzie Keenan, $240; William Cunningham, Orderly, $240, vice Edward Bennington, $240.
August 23—Mary Paul, Waitress, $180, title changed from Hospital Helper, vice Maureen Gleason, $180; Annie Wallace, Hospital Helper, $180, vice Mary Paul, $180, transferred.
August 25—Anna Johnston, Post-Graduate Nurse, $300, vice Annabel Cunningham, $300.

Dismissals, Resignations, etc.

July 23—Lottie Sutton, Laundress, $216; illness.
July 26—Michael Coligas, Hospital Helper, $240; resigned.
July 28—Esther Taylor, Hospital Helper, $180; resigned. Lizzie McKenna, Hospital Helper, $180; resigned. Thomas Rahill, Hospital Helper, $240; unsatisfactory. Edgar Wood, Hospital Helper, $240; unsatisfactory.
July 31—Florence Monroe, Hospital Helper, $180; resigned. Laura LaForce, Pupil Nurse, $96; finished course. Mary Heiman, Pupil Nurse, $96; finished course. Linnie Campbell, Pupil Nurse, $96; finished course. Frank Bagdi, Orderly, $240; insubordination. Ellen Ryan, Hospital Helper, $180; unsatisfactory.
August 2—Max Kruger, Orderly, $240; absence. Sarah Corbett, Laundress, $240; insubordination.
August 3—Elizabeth Croues, Hospital Helper, $180; unsatisfactory.
August 4—Annabel Cunningham, Post-Graduate Nurse, $300; finished course.
August 5—William Nash, Orderly, $240; resigned.
August 6—William Renny, Orderly, $240; resigned. Joseph Reilly, Cook, $720; dishonesty.
August 9—Henry Raper, Orderly, $240; resigned. Frank Karpels, Orderly, $240; absence. Charles Reilly, Hospital Helper, $240; resigned. Andrew Andryshowecz, Orderly, $240; resigned.
August 10—Louise Stone, Trained Nurse, $600; leave of absence. Michael Griffin, Orderly, $240; resigned. Katherine Templeton, Trained Nurse, $600; leave of absence.
August 11—Jennie Reddick, Post-Graduate Nurse, $300; resigned. Edward Malt, Orderly, $240; resigned.
August 12—William Cunningham, Orderly, $240; resigned. Charles Walters, Hospital Helper-Mechanic, $240; resigned.
August 13—Mary Finnigan, Hospital Helper, $180; absence. Blanche Swan, Trained Nurse, $600; resigned. Anna Blades, Post-Graduate Nurse, $300; finished course.
August 14—Lizzie Keenan, Laundress, $240; resigned.
August 18—Maureen Gleason, Waitress, $180; resigned. Edward Bennington, Orderly, $240; resigned.
August 20—Catherine Ring, Hospital Helper, $300; leave of absence.

The General Medical Superintendent reported that with the approval of the Committee on Supplies the lowest bid was accepted in each case on the following:

One Truck to go on Rails, Basement Pavilions A and B (6 bids asked, 2 received)—
Madison Hardware and Supply Company $32 00
Lincoln Tool and Supply Company 56 00

Repairs, No. 2 Engine, Harlem Hospital (1 bid asked)—
Glasgow Iron Works Company 55 00

Repairs, 4 Chairs, 5 Plate Glass, Gouverneur Hospital (2 bids asked, 2 received)—
Kny-Scheerer Company 21 65
Hospital Supply Company 32 00

Cleaning, 7 Rugs and Binding 5 of the 7, Bellevue Hospital (3 bids asked, 1 received)—
J. & J. W. Williams 18 00

Lumber, Bellevue Hospital (4 bids asked, 2 received)—
C. H. Heinsohn 35 00
John Egan 36 63

Twelve Porcelain Enameled Tops for Iron Stands, Bellevue Hospital (4 bids asked, 1 received)—
Hospital Supply Company 24 00

20 Feet of Couplings, Rubber Hose, "Southfield" (1 bid asked)—
J. D. Duffy 15 00

One Hundred and Six Window Shades, Bellevue Hospital (3 bids asked, 3 received)—
Charles B. Flugge & Co 81 62
Empire Shade Company 84 00

Painters' Supplies, Bellevue Hospital (4 bids asked, 3 received)—
John Lucas & Co 30 50
Harrison Brothers 31 00

Tengwall Files, Bellevue Hospital (1 bid asked, manufacturers)—
Tengwall File Company 19 20

Seven Water Coolers, Pavilions A and B (5 bids asked, 2 received)—
John Wanamaker 29 40
R. H. Morrison 90 65

Two Magneto Stations for Watchman's Clock, Gouverneur Hospital (1 bid asked, manufacturers)—
Echo Magneto Clock Company 10 00

Repairing Tile Operating Room, Gouverneur Hospital (4 bids asked, 3 received)—
Adolph Grant & Co 11 00
Alexander & Reid 11 00

Six Mattresses to be Made Over, Bellevue Hospital (3 bids asked, 2 received)—
John Wanamaker 27 30
J. L. Rademacher (received too late) 21 30

Repairs, Assorting Room, Bellevue Hospital (4 bids asked, 2 received)—
William J. McDermott 39 80
Joseph Miller 40 00

Dental Supplies (Gas Stand, Cylinder, Nitrous Oxide, Gas, etc.), Bellevue Hospital (1 bid asked)—
S. S. White Dental Manufacturing Company 37 75

General Hardware, Rubber Lined Hose, etc., Bellevue Hospital (4 bids asked, 2 received)—
The Frank Richard & Gardner Company 15 50
Montgomery & Co 16 50

Repairing Roof, etc., Steamer "Westfield," Gouverneur Hospital (4 bids asked, 1 received)—
Harlem Roofing Company 27 00

Kitchen Utensils, Sewing Machine Oil, etc., Bellevue Hospital (4 bids asked, 2 received)—
Bloomingdale Brothers 69 82
John Wanamaker 79 72

Painters' Supplies, Harlem Hospital (3 bids asked, 3 received)—
John Lucas Company 45 66
T. C. Dunham 54 01

Kitchen Utensils, New Nurses' Home, Bellevue Hospital (1 bid asked, manufacturers)—
Duparquet, Huot & Moneuse Company 18 57

One Hundred Dozen Tooth Brushes, Bellevue Hospital (4 bids asked, 1 received)—
Robert Ferguson 31 00

Engineers' Supplies, Fordham Hospital (4 bids asked, 3 received)—
Hemphill Engineering Company 46 55
Lincoln Tool and Supply Company 57 66

Engineers' Supplies, Harlem Hospital (5 bids asked, 3 received)—
Hemphill Engineering Company 38 25
Fairbanks Company 38 30

Closet Swinging Glass Doors and Shelves, Bellevue Hospital (4 bids asked, 3 received)—
C. W. Klappert Sons 144 00
William Horne Company 190 00

Electrical Suppplies, Fordham Hospital (4 bids asked, 3 received)—
E. B. Latham & Co 54 48
Western Electric Company 58 61

Desk, Bellevue Hospital (5 bids asked, 3 received)—
Hale Desk Company 48 10
George W. Cobb, Jr 50 00

Six Lights, Polished Plate Glass, Bellevue Hospital (4 bids asked, 3 received)—
Pittsburgh Plate Glass Company 21 65
T. C. Dunham 21 90

Engineers' Supplies, Fordham Hospital (5 bids asked, 4 received)—
Anchor Packing Company 43 00
Garlock Packing Company 58 00

Repairs, No. 3 Dumbwaiter, Gouverneur Hospital (2 bids asked, 2 received)—
Otis Elevator Company 43 00
Marine Machine and Engine Company 57 00

Refrigerator, Ward 9, Bellevue Hospital (1 bid asked, 1 received)—
Monroe Refrigerator Company 62 40

Surgical Supplies, Bellevue Hospital (4 bids asked 2 received)—
Kny-Scheerer Company 58 80
George Tieman & Co. 62 50

Twenty-four Sliding Window Screens, Gouverneur Hospital (5 bids asked, 1 received)—
A. J. Phillips & Co. (Theo. Miller, agent) 64 00

One Round Tent, 20 Feet Diameter, Harlem Hospital (4 bids asked, 2 received)—
Bloomingdale Brothers 60 00
John Wanamaker 77 45

Five Hundred Yards White Mosquito Netting, Harlem Hospital (5 bids asked, 4 received)—
Robert Ferguson 24 40
Stern Brothers 38 75

One Dozen Ash Cans, Gouverneur Hospital (4 bids asked, 2 received)—
North Star Ash Can Company 28 00
John Wanamaker 39 00

Surgical Supplies, Bellevue Hospital (1 bid asked, 1 received)—
George Tieman & Co. 27 20

One Pair Lead Lined Gloves, Switch and Cable X-Ray, Gouverneur Hospital (3 bids asked, 3 received)—
E. Matchlett & Son 10 75
E. B. Meyrowitz 12 50

Repairs, Washer and Mangle, Gouverneur Hospital (1 bid asked, 1 received)—
American Laundry Machinery Manufacturing Company (manufacturer). 66 00

Repairs, 1 Oil Immersion Lens, Bellevue Hospital (1 bid asked, 1 received)—
Ernst Leitz (manufacturer) 10 00

Repairs, Radiator, Ward H, Fordham Hospital (4 bids asked, 2 received)—
Wells & Newton Company 30 00
Gillis & Geoghegan (too late) 27 00

Surgical Instruments, Gouverneur Hospital (4 bids asked, 4 received)—
Kny-Scheerer Company 19 93
J. E. Kennedy & Co. 23 20

One Directory Board, Pavilions A and B, Bellevue Hospital (1 bid asked, 1 received)—
United States Changeable Sign Company 50 00

Repairing 2 Duplex Pumps, Gouverneur Hospital (1 bid asked, 1 received)—
George F. Blake Manufacturing Company 50 00

Six Plate and 6 Common Lights Glass, Bellevue Hospital (1 bid asked, 1 received)—
N. Cowen's Son 27 60

Sapolio, Salt, Cocoanut, etc. (3 bids asked, 3 received)—
Austin, Nichols & Co. 11 60
J. S. Sills & Sons 12 76

Twelve Lights Glass, Fordham Hospital (3 bids asked, 2 received)—
T. C. Dunham 8 28
George W. Grote & Co. 14 40

Six Hundred Feet Russia Rope, Dumb Waiters, Bellevue Hospital (3 bids asked, 1 received)—
Lincoln Tool and Supply Company 11 90

Painting Roofs Boiler Room, Laundry, etc., Bellevue Hospital (3 bids asked, 2 received)—
William A. Sander 175 00
Harlem Roofing and Wall Paper Company 218 00

Painting Exterior Ambulance Stable, Bellevue Hospital (4 bids asked, 4 received)—
Askin & Co. 145 00
Etling Brothers 160 00

Two Solid Silver Anodes X-Ray, Harlem Hospital (3 bids asked, 3 received)—
Waite & Bartlett 40 00
E. Matchlett & Co. 44 00

Covering the Piping, Basement, Gouverneur Hospital (3 bids asked, 3 received)—
Gillis & Geoghegan 495 00
G. A. Sutter & Co. 560 00

Two Blackmans' Exhaust Fans, Gouverneur Hospital (3 bids asked, 3 received)—
Blake & Williams 525 00
Gillis & Geoghegan 745 00

Two Thousand Feet Spruce Lumber, Gouverneur Hospital (3 bids asked, 3 received)—
Wm. P. Young & Bros. 65 00
John Egan 68 00

Surgical Supplies, Bellevue Hospital (4 bids asked, 2 received)—
J. E. Kennedy & Co. 42 83
Geo. Tieman & Co. 85 10

One Wheel Carriage, Ward 2, Bellevue Hospital (3 bids asked, 2 received)—
The Kny-Scheerer Company 22 50
Hospital Supply Company 24 00

Sundry Groceries, Bellevue Hospital (4 bids asked, 2 received)—
John S. Sells & Sons 38 70
Austin, Nichols & Co. 40 66

Mosquito Netting, Spool Cotton, etc., Bellevue Hospital (4 bids asked, 2 received)—
B. Altman & Co. 156 99
John Wanamaker 183 00

Hardware (Sundries), Fordham Hospital (4 bids asked, 1 received)—
Lincoln Tool and Supply Company 43 00

Laundry Supplies, Bellevue Hospital (3 bids asked, 3 received)—
J. T. Stanley 46 46
H. Kohnstamm & Co. 48 30

Lumber, Fordham Hospital (4 bids asked, 2 received)—
East River Mill and Lumber Company 31 20
C. H. Hiensohn 36 76

Twelve Lights Polished Plate Glass, Fordham Hospital (4 bids asked, 2 received)—
Pittsburgh Plate Glass Company 51 93
T. C. Dunham 57 12

Electric Ambulance Supplies, Bellevue Hospital (1 bid asked, 1 received)—
The White Company 95 30

Engineers' Supplies, Bellevue Hospital (5 bids asked, 2 received)—
Lincoln Tool and Supply Company 194 04
Hemphill Engineering Company 218 58

Shelves, etc., to be Added to Bookcase, Bookkeeping Department, Bellevue Hospital (1 bid asked, 1 received)—
Art Metal Construction Company 40 00

Surgical Instruments, Bellevue Hospital (3 bids asked, 1 received)—
J. E. Kennedy 28 05

Guy Ropes, Vertical Smokestack, Gouverneur Hospital (3 bids asked, 2 received)—
Gillis & Geoghegan 9 00
Wells & Newton Company 35 00

Engineers' Supplies, Fordham Hospital (3 bids asked, 3 received)—
Lincoln Tool and Supply Company 57 66
Hemphill Engineering Company 68 55

Repairing and Furnishing New Hoist Ropes for Dumbwaiter, Gouverneur Hospital (2 bids asked, 2 received)—
Marine Engine and Machine Company 13 50
Otis Elevator Company 46 00

Laundry Supplies, Bellevue Hospital (1 bid asked; manufacturer)—
American Laundry Machinery Company 30 00

Sponge Rubber Landing Pads, Harlem Hospital (2 bids asked, 2 received)—
Combination Ladder Company (each) 18 00
Peerless Rubber Manufacturing Company (each) 20 00

Repairs, Electric Irons and Stands, Harlem Hospital (1 bid asked)—
Roger Williams 30 00

Engineers' Supplies, Harlem Hospital (1 bid asked; manufacturer)—
Jenkins Brothers 12 75

Repairs, Clamps, Operating Table, Bellevue Hospital (1 bid asked)—
Kny-Scheerer Company 10 20

Bedstead and Screen Casters, Harlem Hospital (1 bid asked)—
Hospital Supply Company 13 20

Harness Dressing and Halters, Bellevue Hospital (3 bids asked, 1 received)—
Smith-Worthington Company 16 66

Repairs, Vacuum Cleaner, Pavilions A and B (1 bid asked; manufacturers)—
The Vacuum Cleaner Company 75 00

Making Over Two Hair Mattresses, Harlem Hospital (3 bids asked, 1 received)—
J. L. Radermacher 14 10

Surgical Instruments, Bellevue Hospital (4 bids asked, 3 received)—
Kny-Scheerer Company 32 45
J. E. Kennedy 50 50

Repairing Floor Switch and Two Faradic Batteries, Harlem Hospital (1 bid asked)—
Waite & Bartlett 10 00

Installing Two Sinks in Kitchen in Gouverneur Hospital (3 bids asked, 2 received)—
Joseph Miller 226 00
Bramhall-Deane Company 245 00

Furnish New Style Compressor Cap, and Putting in, Bellevue Hospital (1 bid asked)—
Yawman & Erbe Manufacturing Company 11 50

One Kieley Special Pressure Regulating Valve, Bellevue Hospital (3 bids asked, 2 received)—
Gillis & Geoghegan 44 00
Wells & Newton Company 48 00

One Gang Plank, Bellevue Hospital (4 bids asked, 1 received)—
J. H. Adamson 75 00

Repairs, Roof Over Wards 14, 15, 16, 17, Bellevue Hospital (3 bids asked, 2 received)—
Harlem Roofing and Waterproofing Company 110 00
William A. Sander 250 00

Repairing Two Pipes, Wainwright Heaters, Bellevue Hospital (4 bids asked, 3 received)—
Wells & Newton Company 45 00
Gillis & Geoghegan 75 00

Engineers' Supplies, Bellevue Hospital (3 bids asked, 2 received)—
Wells & Newton Company 26 00
Lincoln Tool and Supply Company 26 88

New Bottom 2½-ton Coal Cars, Fordham Hospital (1 bid asked; manufacturers)—
Arthur Koppel Company 51 00

350 Feet ½-inch White Pine, Bellevue Hospital (4 bids asked, 4 received)—
C. H. Heinsohn 19 25
J. P. Youngs Brothers 21 00

Plate Glass, Repair Wheel Chairs, etc., Bellevue Hospital (1 bid asked)—
The Kny-Scheerer Company 36 55

One Ice Truck, Pavilions A and B, Bellevue Hospital (2 bids asked, 2 received)—
Hospital Supply Company 18 50
The Kny-Scheerer Company 32 00

1½ dozen Enamelled Tops, Bedside Tables, Bellevue Hospital (2 bids asked, 2 received)—
The Hospital Supply Company 36 00
The Kny-Scheerer Company 48 60

Sundry Surgical Instruments, Bellevue Hospital (5 bids asked, 2 received)—
The Kny-Scheerer Company 76 90
George Tieman & Co. (incomplete) 55 44

1,000 Yards Crash, Bellevue Hospital (4 bids asked, 3 received)—
Stern Brothers, 13 cents per yard (order given to Stern) 130 00
John Wanamaker, 13 cents per yard 130 00

Electrical Work, Gouverneur Hospital (3 bids asked, 1 received)—
Charles L. Eidlitz 200 00

Repairs to Water Sterilizer, Ward 23, Keys, etc., Bellevue Hospital (1 bid asked)—
Kny-Scheerer Company 16 60

Recaning Chairs (35), Fordham Hospital (1 bid asked)—
I. Timberger 29 25

Engineers' Supplies, Bellevue Hospital (4 bids asked, 3 received)—
Lincoln Tool and Supply Company 21 04
C. A. Foersch 25 63

Vanilla and Lemon Extracts, Bellevue Hospital (4 bids asked, 4 received)—
Knickerbocker Mills 21 06
John S. Sills & Sons 27 45

Laundry Supplies, Bellevue Hospital (3 bids asked, 2 received)—
J. T. Stanley 42 66
H. Kohnstamm & Co. 45 25

240 Yards Mosquito Netting, 24 Dozen Fine Combs, Bellevue Hospital (4 bids asked, 2 received)—
Robert Ferguson 22 51
Bloomingdale Brothers 44 40

50 Yards Dotted Swiss, Harlem Hospital (3 bids asked, 1 received)—
John Wanamaker 12 50

Repairs, Electric Ambulance, Bellevue Hospital (2 bids asked, 1 received)—
The White Company 20 50

Two Glass Tops, Table, Operating Room, Ward 10; Repairs Tray, Utensil Sterilizer, Bellevue Hospital (1 bid asked)—
Kny-Scheerer Company 14 75

Remaking Twelve Hair Mattresses (Supply in Needed Hair), Bellevue Hospital (4 bids asked, 2 received)—
J. L. Radermacher 44 40
J. Wanamaker (incomplete) 42 00

One Feed Apron With Chain, Bellevue Hospital (2 bids asked, 2 received)—
Troy Laundry Machinery Company 36 00
American Laundry Machinery Company (incomplete) 18 25

Heating Regulating Apparatus, Fordham Hospital (1 bid asked, 1 recived)—
Johnson Service Company 29 70

Surgical Supplies, Bellevue Hospital (1 bid asked, 1 received)—
Kny-Scheerer Company (selected by Dr. Bradley) 15 90

Sundry Articles (kitchen utensils, etc.), Bellevue Hospital (4 bids asked, 1 received)—
John Wanamaker 51 15

One Sterilizer (dressing) Rapid Drying Device, Steam Heated; Set Up and Installed in Operating Room, Bellevue Hospital (2 bids asked, 2 received)—
The Hospital Supply Company 180 00
The Kny-Scheerer Company (does not include installation) 180 00

Six Dozen Castors, Like Sample, Bellevue Hospital (4 bids asked, 1 received)—
Charles A. Foersch 13 50

Unfinished Business.

In the matter of charges against Mr. M. J. Rickard, the Assistant Superintendent, it was voted to notify Mr. Rickard to appear before the Board of Trustees at its next regular meeting, on Tuesday afternoon, September 21, 1909, at 2.30 o'clock, in the Board Room (Staff Room) of Bellevue Hospital to make explanation in answer to the charges preferred against him by the Board of Trustees and served on him on July 30, 1909.

The application of Mr. George A. White for promotion from the position of Bookkeeper at $1,200 a year to the position of Auditor and Contract Clerk at $1,950 a year was again taken up, and on motion, duly seconded, it was unanimously

Resolved, To promote Mr. White to the position of Contract Clerk and Auditor if the Civil Service Commission will permit such promotion.

The Acting President appointed the following Committees for September:
Gouverneur Hospital—Messrs. Stern and Paulding.
Harlem Hospital—Messrs. Sachs and Farley.
Fordham Hospital—Messrs. O'Keeffe and Robbins.
A motion to adjourn the meeting was seconded and carried.

A. M. ROBBINS, Acting Secretary.

CHANGES IN DEPARTMENTS, ETC.

DEPARTMENT OF BRIDGES.

December 20—Patrick J. McCabe, of No. 349 East Fifty-second street, New York City, is transferred as Clerk, second grade, from the Tenement House Department, Borough of Manhattan, to the Department of Bridges, and his compensation fixed at $1,050 per annum, to date from December 29, 1909.

DEPARTMENT OF PARKS.

Boroughs of Manhattan and Richmond

December 20—Change of title under Civil Service Rule XIV., paragraph 4, December 17, 1909, from Steam Engineer to Stationary Engineer: William J. Galvin, No. 860 East One Hundred and Ninety-first street.

Boroughs of Brooklyn and Queens.

December 20—

Resigned.

Patrick Dugan, Jr., Glendale, Park Laborer.

Title Changed.

From Foreman of Laborers to Foreman of Hostlers and pay increased to $4 per day: Edward P. Sheedy, No. 588 Dean street, Brooklyn.

FIRE DEPARTMENT.

December 17—

Appointed.

Borough of Brooklyn.

Stephen J. Byrne, Jr., as an ununiformed Fireman for a probationary term of one month, with salary at the rate of $800 per annum, to take effect from December 17, 1909, and assigned to Hook and Ladder Company 53.

Resigned.

Borough of Brooklyn.

Probationary Fireman Louis Hoffman, Engine Company 129, to take effect December 17, 1909.

Borough of Manhattan.

Fireman first grade James M. Brett, Engine Company 31, having been absent without proper authority for five days from December 4 to December 9, 1909, has been deemed and held to have resigned from the Department, and his name dropped from the rolls, to take effect 8 a. m., December 10, 1909.

DEPARTMENT OF BRIDGES.

December 18, 1909.

The following bids or estimates for the construction of a steel and timber trestle at the Kent Avenue Bridge, over Bushwick Creek, in the Borough of Brooklyn, were received and opened in this Department on Tuesday, December 14, 1909:

E. H. Lafferty & M. W. Weir	$2,342 00
E. De V. Tompkins.....	2,425 00
Cooper & Evans Company..	2,615 00
Robert R. Fox.....	2,872 00
Meeker & Saxton Engineering Company	2,914 00
John D. Walsh (Inc.).....	3,097 00
Dunseath Engineering Company	4,225 00

Messrs. Lafferty & Weir being the lowest formal bidders, the contract was awarded to them.

J. W. STEVENSON, Commissioner.

OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business and at which the Courts regularly open and adjourn as well as the places where such offices are kept and such Courts are held, together with the heads of Departments and Courts.

CITY OFFICES.

MAYOR'S OFFICE.

No. 5 City Hall, 9 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
GEORGE B. McCLELLAN, Mayor.
Frank M. O'Brien, Secretary.
William A. Willis, Executive Secretary.
James A. Rierdon, Chief Clerk and Bond and Warrant Clerk.

BUREAU OF WEIGHTS AND MEASURES.

Room 7, City Hall, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
Patrick Derry, Chief of Bureau.

BUREAU OF LICENSES.

9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 8020 Cortlandt.
Francis V. S. Oliver, Jr., Chief of Bureau.
Principal Office, Room 1, City Hall.
Branch Office, Room 12, Borough Hall, Brooklyn.
Branch Office, Richmond Borough Hall, Room 23, New Brighton, S. I.
Branch Office, Hackett Building, Long Island City, Borough of Queens.

AQUEDUCT COMMISSIONERS.

Room 207, No. 280 Broadway, 5th floor, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone 1942 Worth.
The Mayor, the Comptroller, ex-officio, Commissioners John F. Cowan (President), William H. Ten Eyck, John J. Ryan and John P. Windolph; Harry W. Walker, Secretary; Walter H. Sears, Chief Engineer.

ARMORY BOARD.

Mayor George B. McClellan, the Comptroller, Herman A. Metz, the President of the Board of Aldermen, Patrick F. McGowan, Brigadier-General George Moore Smith, Brigadier-General John G. Eddy, Captain J. W. Miller, the President of the Department of Taxes and Assessments, Lawson Purdy.
Harrie Davis, Secretary, Room 6, Basement, Hall of Records, Chambers and Centre streets.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3900 Worth.

ART COMMISSION.

City Hall, Room 21.
Telephone call, 1197 Cortlandt.
Robert W. de Forest, Trustee Metropolitan Museum of Art, President; Frank D. Millet, Painter, Vice-President; John B. Pine, Secretary; A. Augustus Healy, President of the Brooklyn Institute of Arts and Sciences; George B. McClellan, Mayor of the City of New York; John Bigelow, President of New York Public Library; Arnold W. Brunner, Architect; Charles Howland Russell, Frederic B. Pratt, Herbert Adams, Sculptor.
John Quincy Adams, Assistant Secretary.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

BELLEVUE AND ALLIED HOSPITALS.

Office, Bellevue Hospital, Twenty-sixth street and First avenue.
Telephone, 4400 Madison Square.
Board of Trustees—Dr. John W. Brannan, President; James K. Paulding, Secretary; James A. Farley, Samuel Sachs, Leopold Stern, John G. O'Keeffe, Arden M. Robbins, Robert W. Hebberd, ex-officio.

BOARD OF ALDERMEN.

No. 11 City Hall, 10 a. m. to 4 p. m.; Saturdays 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
Patrick F. McGowan, President.
P. J. Scully, City Clerk.

BOARD OF ASSESSORS.

Office, No. 320 Broadway, 9 a. m. to 4 p. m.; Saturdays, 12 m.
Antonio Zucca.
Paul Weimann.
James H. Kennedy.
William H. Jasper, Secretary.
Telephone, 29, 30 and 31 Worth.

BOARD OF ELECTIONS.

Headquarters General Office, No. 107 West Forty-first Street.
Commissioners—John T. Dooling (President) Charles B. Page (Secretary), James Kane, John E Smith.
Michael T. Daly, Chief Clerk.
Telephone, 2946 Bryant.

BOROUGH OFFICES.

Manhattan.

No. 112 West Forty-second street.
William C. Baxter, Chief Clerk.

The Bronx.

One Hundred and Thirty-eighth street and Mott avenue (Solingen Building).
Cornelius A. Bunner, Chief Clerk.

Brooklyn.

No. 42 Court street (Temple Bar Building).
George Russell, Chief Clerk.

Queens.

No. 46 Jackson avenue, Long Island City
Carl Voegel, Chief Clerk.

Richmond.

Borough Hall, New Brighton, S. I.
Charles M. Schwalbe, Chief Clerk.
All offices open from 9 a. m. to 4 p. m.; Saturdays 9 a. m. to 12 m

BOARD OF ESTIMATE AND APPORTIONMENT.

The Mayor, Chairman; the Comptroller, President of the Board of Aldermen, President of the Borough of Manhattan, President of the Borough of Brooklyn, President of the Borough of The Bronx, President of the Borough of Queens, President of the Borough of Richmond.

OFFICE OF THE SECRETARY.

No. 277 Broadway, Room 1406. Telephone, 2280 Worth.
Joseph Haag, Secretary; William M. Lawrence Assistant Secretary. Charles V. Adee, Clerk to Board.

OFFICE OF THE CHIEF ENGINEER.

Nelson P. Lewis, Chief Engineer, No. 277 Broadway, Room 1408. Telephone, 2281 Worth.
Arthur S. Tuttle, Engineer in charge Division of Public Improvements, No. 277 Broadway, Room 1408. Telephone, 2281 Worth.
Harry P. Nichols, Engineer in charge Division of Franchises, No. 277 Broadway, Room 801. Telephone, 2282 Worth.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

BOARD OF EXAMINERS.

Rooms 6027 and 6028 Metropolitan Building, No. 1 Madison avenue, Borough of Manhattan, 9 a. m to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 5840 Gramercy.
Warren A. Conover, Charles Buek, Lewis Harding, Charles G. Smith, Edward F. Croker, William A. Boring and George A. Just, Chairman.
Edward V. Barton, Clerk.
Board meeting every Tuesday at 2 p. m.

BOARD OF PAROLE OF THE NEW YORK CITY REFORMATORY OF MISDEMEANANTS.

Office, No. 148 East Twentieth street.
John J. Barry, Commissioner of Correction, President.
Wm. E. Wyatt, Judge, Special Sessions, First Division.
Robert J. Wilkin, Judge, Special Sessions, Second Division.
Frederick B. House, City Magistrate, First Division
Edward J. Dooley, City Magistrate, Second Division.
Samuel B. Hamburger, John C. Heintz, Dominick Di Dario, James F. Boyle.
Thomas R. Minnick, Secretary.

BOARD OF REVISION OF ASSESSMENTS.

Herman A. Metz, Comptroller.
Francis K. Pendleton, Corporation Counsel.
Lawson Purdy, President of the Department of Taxes and Assessments.
Henry J. Storrs, Chief Clerk, Finance Department, No. 280 Broadway.
Telephone, 1200 Worth.

BOARD OF WATER SUPPLY.

Office, No. 299 Broadway.
John A. Bensel, Charles N. Chadwick, Charles A Shaw, Commissioners.
Thomas Hassett, Secretary.
I Waldo Smith, Chief Engineer.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m to 12 m.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115 Stewart Building, No. 280 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4315 Worth.
John Purroy Mitchel, Commissioner.

CHANGE OF GRADE DAMAGE COMMISSION.

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

Office of the Commission, Room 219, No. 280 Broadway (Stewart Building), Borough of Manhattan, New York City.
Commissioners—William E. Stillings, George C Norton, Lewis A. Abrams.
Lamont McLoughlin, Clerk.
Regular advertised meetings on Monday, Wednesday and Friday of each week at 2 o'clock p. m.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.

City Hall, Rooms 11, 12; 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.
Telephone, 7560 Cortlandt.
P. J. Scully, City Clerk and Clerk of the Board of Aldermen
Joseph F. Prendergast, First Deputy.
John T. Oakley, Chief Clerk of the Board of Aldermen.
Joseph V. Sculley, Clerk, Borough of Brooklyn.
Thomas J. McCabe, Deputy City Clerk, Borough of The Bronx.
William R. Zimmerman, Deputy City Clerk, Borough of Queens.
Joseph F. O'Grady, Deputy City Clerk, Borough of Richmond.

CITY RECORD OFFICE.

BUREAU OF PRINTING, STATIONERY AND BLANK BOOKS.

Supervisor's Office, Park Row Building, No. 21 Park Row. Entrance, Room 807, 9 a. m. to 4 p. m Saturdays, 9 a. m. to 12 m.
Telephone, 1505 and 1506 Cortlandt. Distributing Division, Nos. 96 and 98 Reade street, near West Broadway.
Patrick J. Tracy, Supervisor; Henry McMillen Deputy Supervisor C. McKemie, Secretary.

COMMISSIONER OF LICENSES.

Office, No. 277 Broadway.
John N. Bogart, Commissioner.
James P. Archibald, Deputy Commissioner.
John J. Caldwell, Secretary.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 2828 Worth.

COMMISSIONERS OF SINKING FUND.

George B. McClellan, Mayor, Chairman; Herman A. Metz, Comptroller; James J. Martin, Chamberlain; Patrick F. McGowan, President of the Board of Aldermen, and Timothy P. Sullivan, Chairman Finance Committee, Board of Aldermen, Members N. Taylor Phillips, Deputy Comptroller, Secretary Office of Secretary, Room 12, Stewart Building.
Telephone, 1200 Worth.

DEPARTMENT OF BRIDGES.

Nos. 13-21 Park Row.
James W. Stevenson, Commissioner.
John H. Little, Deputy Commissioner.
Edgar E. Schiff, Secretary.
Office hours, 9 a. m. to 4 p. m.
Saturdays, 9 a. m. to 12 m.
Telephone, 6080 Cortlandt.

DEPARTMENT OF CORRECTION.

CENTRAL OFFICE.

No. 148 East Twentieth Street. Office hours from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1047 Gramercy.
John J. Barry, Commissioner.
George W. Meyer, Deputy Commissioner.
John B. Fitzgerald, Secretary.

DEPARTMENT OF DOCKS AND FERRIES.

Pier "A," N. R., Battery place.
Telephone, 300 Rector.
Allen N. Spooner, Commissioner.
Denis A. Judge, Deputy Commissioner
Joseph W. Savage, Secretary.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 12 m.

DEPARTMENT OF EDUCATION.

BOARD OF EDUCATION.

Park avenue and Fifty-ninth street, Borough of Manhattan, 9 a. m. to 5 p. m. (in the month of August, 9 a. m. to 4 p. m.); Saturdays, 9 a. m. to 12 m.
Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4 p. m. on the first Monday in February, the second Wednesday in July, and the second and fourth Wednesdays in every month, except July and August.
Richard B. Aldcrofft, Jr.; Nicholas J. Barrett, Charles E. Bruce, M. D.; Joseph E. Cosgrove Frederic R. Coudert, Francis P. Cunnion, Thomas M. De Laney, Horace E. Dresser, Alexander Ferris Joseph Nicola Francolini, George J. Gillespie John Greene, Lewis Haase, Robert L. Harrison, Louis Haupt, M. D.; Thomas J. Higgins, James P. Holland, Arthur Hollick, Hugo Kanzler, Max Katzenberg, Edward Lazansky, Miss Olivia Leventritt, Alrick H. Man, Mitchell May, Robert E McCafferty, Dennis J. McDonald, M. D.; Ralph McKee, Frank W. Meyer, Antonio Pisani, M. D.; Henry H. Sherman, Arthur S. Somers, Abraham Stern, M. Samuel Stern, Cornelius J. Sullivan James E. Sullivan, Michael J. Sullivan, Bernard Suydam, Rupert B. Thomas, John R Thompson, Mrs. Christine Towns, George A. Vandenhoff, John Whalen, Frank D. Wilsey, George W. Wingate Egerton L. Winthrop, Jr., members of the Board. One vacancy.)
Egerton L. Winthrop, Jr., President.
John Greene, Vice-President.
A. Emerson Palmer, Secretary.
Fred H. Johnson, Assistant Secretary.
C. B. J. Snyder, Superintendent of School Buildings.
Patrick Jones, Superintendent of School Supplies
Henry R. M. Cook, Auditor.
Thomas A. Dillon, Chief Clerk.
Henry M. Leipziger, Supervisor of Lectures.
Claude G. Leland, Superintendent of Libraries
A. J. Maguire, Supervisor of Janitors.

BOARD OF SUPERINTENDENTS.

William H. Maxwell, City Superintendent of Schools, and Andrew W. Edson, John H. Haaren, Clarence E. Meleney, Thomas S. O'Brien, Edward B. Shallow, Edward L. Stevens, Gustave Straubenmüller, John H. Walsh, Associate City Superintendents.

DISTRICT SUPERINTENDENTS.

Darwin L. Bardwell, William A. Campbell, John J. Chickering, John W. Davis, John Dwyer, James M. Edsall, Matthew J. Elgas, William L. Ettinger, Cornelius D. Franklin, John Griffin, M. D.; John L. N. Hunt, Henry W. Jameson, James Lee, Charles W. Lyon, James J. McCabe, William J. O'Shea, Julia Richman, Alfred T. Schauffler, Albert Shiels, Edgar Dubs Shimer, Seth T. Stewart, Edward W. Stitt, Grace C. Strachan, Joseph S. Taylor, Joseph H. Wade, Evangeline E. Whitney.

BOARD OF EXAMINERS.

William H. Maxwell, City Superintendent of Schools, and James C. Byrnes, Walter L. Hervey, Jerome A. O'Connell, George J. Smith, Examiners.

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1200 Worth.
Herman A. Metz, Comptroller.
John H. McCooey and N. Taylor Phillips, Deputy Comptrollers.
Hubert L. Smith, Assistant Deputy Comptroller.
Paul Loeser, Secretary to Comptroller.

MAIN DIVISION.

H. J. Storrs, Chief Clerk, Room 11.

BOOKKEEPING DIVISION.

Frank W. Smith, Chief Accountant and Bookkeeper, Room 8.

AWARDS DIVISION.

Joseph R. Kenny Bookkeeper in Charge, Room 1

CONTRACT DIVISION.

John H. Andrews, Clerk in Charge, Room 86.

STOCK AND BOND DIVISION.

James J. Sullivan, Chief Stock and Bond Clerk, Room 85.

BUREAU OF AUDIT—MAIN DIVISION.

P. H. Quinn, Chief Auditor of Accounts, Room 27

LAW AND ADJUSTMENT DIVISION.

Jeremiah T. Mahoney, Auditor of Accounts, Room 185.

BUREAU OF MUNICIPAL INVESTIGATION AND STATISTICS.

Charles S. Hervey, Supervising Statistician and Examiner, Room 180.

CHARITABLE INSTITUTIONS DIVISION.

Daniel C. Potter, Chief Examiner of Accounts of Institutions, Room 38.

OFFICE OF THE CITY PAYMASTER.

No. 83 Chambers street and No. 65 Reade street.
John H Timmerman, City Paymaster.

ENGINEERING DIVISION.

Stewart Building, Chambers street and Broadway.
Chandler Withington, Chief Engineer, Room 55.

DIVISION OF INSPECTION.

William M. Hoge, Auditor of Accounts in Charge, Room 39.

DIVISION OF REAL ESTATE.

Mortimer J. Brown, Appraiser of Real Estate Rooms 101, 103 and 105

BUREAU FOR THE COLLECTION OF TAXES.

Borough of Manhattan—Stewart Building, Room O.
David E. Austen, Receiver of Taxes.
John J. McDonough and William H. Loughran, Deputy Receivers of Taxes.
Borough of The Bronx—Municipal Building, Third and Tremont avenues.
John B. Underhill and Stephen A. Nugent, Deputy Receivers of Taxes.
Borough of Brooklyn—Municipal Building, Rooms 2-8.
Thomas J. Drennan and William Gallagher, Deputy Receivers of Taxes.
Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City.
George H. Creed and Mason O. Smedley, Deputy Receivers of Taxes.
Borough of Richmond—Borough Hall, St. George New Brighton.
John De Morgan and F. Wilsey Owen, Deputy Receivers of Taxes.

BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS.

Borough of Manhattan, Stewart Building, Room 1.
Daniel Moynahan, Collector of Assessments and Arrears
Richard E. Weldon, Deputy Collector of Assessments and Arrears.
Borough of The Bronx—Municipal Building, Rooms 1-3.
James J. Donovan, Jr., Deputy Collector of Assessments and Arrears.
Borough of Brooklyn—Mechanics' Bank Building, corner Court and Montague streets.
John M. Gray, Deputy Collector of Assessments and Arrears.
Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City.
Thomas A. Healy, Deputy Collector of Assessments and Arrears.
Borough of Richmond—St. George, New Brighton
John J. McGann, Deputy Collector of Assessments and Arrears.

BUREAU FOR THE COLLECTION OF CITY REVENUE AND OF MARKETS.

Stewart Building, Chambers street and Broadway Room 141.
Peter Aitken, Collector of City Revenue and Superintendent of Markets.
David O'Brien, Deputy Collector of City Revenue.

BUREAU FOR THE EXAMINATION OF CLAIMS.

Frank J. Prial, Chief Examiner. Room 181.

BUREAU OF THE CITY CHAMBERLAIN.

Stewart Building, Chambers street and Broadway Rooms 63 to 67.
James J. Martin, City Chamberlain.
Henry J. Walsh, Deputy Chamberlain.
Telephone, 4270 Worth.

DEPARTMENT OF HEALTH.

Southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Burial Permit and Contagious Disease offices always open.
Telephone, 4900 Columbus.
Thomas Darlington, M. D., Commissioner of Health and President.
Alvah H. Doty, M. D.; William F. Baker, Commissioners.
Eugene W. Scheffer, Secretary.
Herman M. Biggs, M. D., General Medical Officer.
Walter Bensel, M. D., Sanitary Superintendent.
William H. Guilfoy M. D. Registrar of Records
James McC. Miller, Chief Clerk.

Borough of Manhattan.

Traverse R. Maxfield, M. D., Assistant Sanitary Superintendent; George A. Roberts, Assistant Chief Clerk.
Charles J. Burke, M. D., Assistant Registrar of Records.

Borough of The Bronx, No. 3731 Third avenue.

Marion B. McMillan, M. D., Assistant Sanitary Superintendent; Ambrose Lee, Jr., Assistant Chief Clerk; Arthur J. O'Leary, M. D., Assistant Registrar of Records.

Borough of Brooklyn, Nos. 38 and 40 Clinton street.

Alonzo Blauvelt, M. D., Assistant Sanitary Superintendent; Alfred T. Metcalfe, Assistant Chief Clerk; S. J. Byrne, M. D., Assistant Registrar of Records.

Borough of Queens, Nos. 372 and 374 Fulton street Jamaica.

John H. Barry, M. D., Assistant Sanitary Superintendent; George R. Crowly, Assistant Chief Clerk; Robert Campbell, M. D., Assistant Registrar of Records.

Borough of Richmond, No. 514 Bay street, Stapleton Staten Island.

John T. Sprague, M. D., Assistant Sanitary Superintendent; Charles E. Hoyer, Assistant Chief Clerk, J. Walter Wood, M. D., Assistant Registrar of Records.

DEPARTMENT OF PARKS.

Henry Smith, Commissioner of Parks for the Boroughs of Manhattan and Richmond, and President Park Board.
William J. Fransioli, Secretary.
Offices, Arsenal, Central Park.
Telephone, 201 Plaza.
Michael J. Kennedy, Commissioner of Parks for the Boroughs of Brooklyn and Queens.
Offices, Litchfield Mansion, Prospect Park, Brooklyn.
Telephone, 2300 South.
Joseph I. Berry, Commissioner of Parks for the Borough of The Bronx
Office, Zbrowski Mansion, Claremont Park.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 2640 Tremont.

PERMANENT CENSUS BOARD.

Hall of Board of Education, No. 500 Park avenue, third floor. Office hours, 9 a. m. to 5 p. m.
The Mayor, City Superintendent of Schools and Police Commissioner. George H. Chatfield, Secretary.

DEPARTMENT OF PUBLIC CHARITIES.

PRINCIPAL OFFICE.

Foot of East Twenty-sixth street, 9 a. m. to 4 p.m. Saturdays, 9 a. m. to 12 m.
Telephone, 3350 Madison Square.
Robert W. Hebberd, Commissioner.
Richard C. Baker, First Deputy Commissioner.
Thomas W. Hynes, Second Deputy Commissioner for Brooklyn and Queens, Nos. 327 to 331 Schermerhorn street, Brooklyn. Telephone, 2977 Main.
J. McKee Borden, Secretary.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 a. m to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Bureau of Dependent Adults, foot of East Twenty-sixth street. Office hours, 8.30 a. m. to 4 p. m.
The Children's Bureau, No. 66 Third avenue. Office hours, 8.30 a. m. to 4 p. m
Jeremiah Connelly, Superintendent for Richmond Borough, Borough Hall, St. George, Staten Island. Telephone, 1000 Tompkinsville.

DEPARTMENT OF STREET CLEANING.

Nos. 13 to 21 Park row, 9 a. m. to 4 p. m., Saturdays, 9 a. m. to 12 m.
Telephone, 3863 Cortlandt.
William H. Edwards, Commissioner.
James J. Hogan, Deputy Commissioner, Borough of Manhattan.
Owen J. Murphy, Deputy Commissioner, Borough of Brooklyn.
Julian Scott, Deputy Commissioner, Borough of the Bronx.
John J. O'Brien, Chief Clerk.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Hall of Records, corner of Chambers and Centre streets. Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Commissioners—Lawson Purdy, President; James H. Tully, Charles Putzel, Hugh Hastings, Charles J. McCormack, John J. Halleran.
Telephone, 3900 Worth

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Nos. 13 to 21 Park Row, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephones, Manhattan, 8520 Cortlandt; Brooklyn, 3980 Main; Queens, 439 Greenpoint; Richmond, 94 Tompkinsville; Bronx, 62 Tremont.
John H. O'Brien, Commissioner.
M. F. Loughman, Deputy Commissioner.
I. M. de Varona, Chief Engineer.
Hubert S. Wynkoop, Electrical Engineer.
Michael C. Padden, Water Register, Manhattan
William A. Hawley, Secretary to Commissioner.
William C. Cozier, Deputy Commissioner, Borough of Brooklyn, Municipal Building, Brooklyn.
William R. McGuire, Water Register, Brooklyn.
Charles C. Marrin, Deputy Commissioner, Borough of The Bronx, Crotona Park Building, One Hundred and Seventy-seventh street and Third avenue.
Thomas M. Lynch, Water Register, The Bronx.
Charles C. Wissel, Deputy Commissioner, Borough of Queens, Hackett Building, Long Island City.
John E. Bowe, Deputy Commissioner, Borough of Richmond, Municipal Building, St. George.

EXAMINING BOARD OF PLUMBERS.

Bartholomew F. Donohoe, President; John J. Moore, Secretary; John J. Dunn, Treasurer; ex officio, Horace Loomis and Matthew E. Healy.
Rooms Nos. 14, 15 and 16 Aldrich Building, Nos. 149 and 151 Church street.
Office open during business hours every day in the year (except legal holidays). Examinations are held on Monday, Wednesday and Friday after 1 p. m.

FIRE DEPARTMENT.

Office hours for all, except where otherwise noted from 9 a. m. to 4 p. m.; Saturdays, 12 m.

HEADQUARTERS.

Nos. 157 and 159 East Sixty-seventh street, Manhattan
Telephone, 640 Plaza, Manhattan 2653 Main, Brooklyn.
Nicholas J. Hayes, Commissioner.
P. A. Whitney, Deputy Commissioner.
Charles C. Wise, Deputy Commissioner, Boroughs of Brooklyn and Queens.
William A. Larney, Secretary; Mark Levy, Secretary to the Commissioner; George F. Dobson, Jr., Secretary to the Deputy Commissioner, Boroughs of Brooklyn and Queens.
Edward F. Croker, Chief of Department.
Thomas Lally, Deputy Chief of Department in charge, Boroughs of Brooklyn and Queens.
Joseph L. Burke, Inspector of Combustibles, Nos. 157 and 159 East Sixty-seventh street, Manhattan. Telephone, 640 Plaza.
Peter Seery, Fire Marshal, Boroughs of Manhattan, The Bronx and Richmond.
William L. Beers, Fire Marshal, Boroughs of Brooklyn and Queens.
Andrew P. Martin, Chief Inspector, Fire Alarm Telegraph Bureau, Boroughs of Manhattan, The Bronx and Richmond.
Timothy S. Mahoney, in charge Telegraph Bureau, Boroughs of Brooklyn and Queens.
William T. Beggin, Chief of Battalion in charge Bureau of Violations and Auxiliary Fire Appliances, Boroughs of Manhattan, The Bronx and Richmond Nos 157 and 159 East Sixty-seventh street, Manhattan. Brooklyn and Queens, Nos. 365 and 367 Jay street, Brooklyn.
Central office open at all hours.

LAW DEPARTMENT.

OFFICE OF CORPORATION COUNSEL.

Hall of Records, Chambers and Centre streets, 6th, 7th and 8th floors, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3900 Worth.
Francis K. Pendleton, Corporation Counsel.
Assistants—Theodore Connoly, George L. Sterling, Charles D. Olendorf, William P. Burr, R. Percy Chittenden, David Rumsey, William Beers Crowell, John L. O'Brien, Terence Farley, Edward J. McGoldrick, Cornelius F. Collins, John F. O'Brien, Edward S. Malone, Edwin J. Freedman, Curtis A. Peters, Louis H. Hahlo, Stephen O'Brien, Frank B. Pierce, Charles A. O'Neil, Richard H. Mitchell, John Widdecombe, Joel J. Squier, Arthur Sweeny, William H. King, George P. Nicholson, George Harold Folwell, Hartord P. Walker, Alfred W. Booraem, J. Gabriel Britt, Francis J. Byrne, Francis Martin, Charles McIntyre, Clarence L. Barber Solon Berrick, James P. O'Connor, William H. Jackson, Edward Maxson, Elliott S. Benedict, Isaac Phillips, Edward A. McShane, Eugene Fay, Ricardo M. DeAcosta, Francis X. McQuade, Raymond D Fosdick, John M. Barrett, I. Townsend Burden, Jr.
Secretary to the Corporation Counsel—Edmund Kirby.
Chief Clerk—Andrew T. Campbell.

BROOKLYN OFFICE.

Borough Hall, 2d floor, 9 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m.
Telephone, 2048 Main.
James D. Bell, Assistant in charge

BUREAU OF STREET OPENINGS.

No. 90 West Broadway, 9 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m.
Telephone, 8190 Cortland.
John P. Dunn, Assistant in charge.

BUREAU FOR THE RECOVERY OF PENALTIES.

No. 119 Nassau street, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4526 Cortland.
Herman Stiefel, Assistant in charge.

BUREAU FOR THE COLLECTION OF ARREARS OF PERSONAL TAXES.

No. 280 Broadway, 5th floor. Office hours for public, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 4585 Worth.
Geo. O'Reilly, Assistant in charge.

TENEMENT HOUSE BUREAU AND BUREAU OF BUILDINGS.

No. 44 East Twenty-third street, 9 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m.
Telephone, 1961 Gramercy.
John P. O'Brien, Assistant in charge.

METROPOLITAN SEWERAGE COMMISSION.

Office, No. 17 Battery place. George A. Soper, Ph. D., President; James H. Fuertes, Secretary; H. de B. Parsons, Charles Sooysmith, Linsly R. Williams, M. D.
Telephone, 1694 Rector.

MUNICIPAL CIVIL SERVICE COMMISSION.

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Frank L. Polk, R. Ross Appleton, Arthur J O'Keeffe.
Frank A. Spencer, Secretary.

Labor Bureau.

Nos. 54-60 Lafayette street.
Telephone, 2140 Worth.

MUNICIPAL EXPLOSIVES COMMISSION.

Nos 157 and 159 East Sixty-seventh street, Headquarters Fire Department.
Patrick A. Whitney, Deputy Fire Commissioner and Chairman; William Montgomery, John Sherry, C. Andrade, Jr., Abram A. Breneman.
Telephone, 640 Plaza.
Franz S. Wolf, Secretary, Nos. 365-367 Jay street, Brooklyn.
Stated meeting, Friday of each week, at 3 p. m.
Telephone, 3520 Main.

POLICE DEPARTMENT.

CENTRAL OFFICE.

No. 300 Mulberry street, 9 a. m to 4 p. m.; Saturdays, 9 a m. to 12 m.
Telephone, 3100 Spring.
William F. Baker, Commissioner.
Frederick H. Bugher, First Deputy Commissioner.
Charles W. Kirby, Second Deputy Commissioner.
Josiah A. Stover, Third Deputy Commissioner.
Alfred W. Booraem, Fourth Deputy Commissioner.
William H. Kipp, Chief Clerk.

PUBLIC SERVICE COMMISSION.

The Public Service Commission for the First District, Tribune Building, No. 154 Nassau street, Manhattan.
Office hours, 8 a. m. to 11 p. m., every day in the year, including holidays and Sundays.
Stated public meetings of the Commission, Tuesdays and Fridays at 11.30 a. m. in the Public Hearing Room of the Commission, third floor of the Tribune Building, unless otherwise ordered.
Commissioners—William R. Willcox, Chairman; William McCarroll, Edward M. Bassett, Milo R Maltbie, John E. Eustis. Counsel, George S. Coleman. Secretary, Travis H. Whitney.
Telephone, 4150 Beekman.

TENEMENT HOUSE DEPARTMENT.

Manhattan Office, No. 44 East Twenty-third street.
Telephone, 5331 Gramercy.
Edmond J. Butler, Commissioner.
Wm. H. Abbott, Jr., First Deputy Commissioner.
Brooklyn Office (Boroughs of Brooklyn, Queens and Richmond), Temple Bar Building, No. 44 Court street.
Telephone, 3825 Main.
John McKeown, Second Deputy Commissioner.
Bronx Office, Nos. 2894, 2896 and 2898 Third Avenue.
Telephone, 967 Melrose.
Office hours, 9 a. m. to 4 p. m.; Saturdays 9 a. m to 12 m.

BOROUGH OFFICES.

BOROUGH OF THE BRONX.

Office of the President, corner Third avenue and One Hundred and Seventy-seventh street; 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
John F. Murray, President.
Henry A. Gumbleton, Secretary.
——— ———, Commissioner of Public Works.
John A. Hawkins, Assistant Commissioner of Public Works.
Thomas H. O'Neil, Superintendent of Sewers.
Samuel C. Thompson, Engineer of Highways.
Patrick J. Reville. Superintendent of Buildings.
Peter J. Stumpf, Superintendent of Highways.
Albert H. Liebenau, Superintendent of Public Buildings and Offices.
Telephone, 2680 Tremont.

BOROUGH OF BROOKLYN.

President's Office, Nos. 15 and 16 Borough Hall, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Bird S. Coler, President.
Charles Frederick Adams, Secretary.
John A. Heffernan, Private Secretary.
Thomas R. Farrell, Commissioner of Public Works.
James M. Power, Secretary to Commissioner.
Dennis J. Donovan, Superintendent of Buildings.
James Dunne, Superintendent of the Bureau of Sewers.
Joseph M. Lawrence, Superintendent of the Bureau of Public Buildings and Offices.
Patrick F. Lynch, Superintendent of Highways.

BOROUGH OF MANHATTAN.

Office of the President, Nos. 14, 15 and 16 City Hall, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
John F. Ahearn, President.
Bernard Downing, Secretary.
John Cloughen, Commissioner of Public Works.
James J. Hagan, Assistant Commissioner of Public Works.
George F. Scannell, Superintendent of Highways
Edward S. Murphy, Superintendent of Buildings.
Frank J Goodwin, Superintendent of Sewers.
John R. Voorhis, Superintendent of Public Buildings and Offices. Telephone, 6725 Cortlandt.

BOROUGH OF QUEENS.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City; 9 a. m. to 4 p. m. Saturdays, 9 a. m. to 12 m.
Lawrence Gresser, President.
John M. Cragen, Secretary.
Joseph Sullivan, Commissioner of Public Works.
Harry Sutphin, Assistant Commissioner of Public Works.
Patrick E. Leahy, Superintendent of Highways.
Carl Berger, Superintendent of Buildings.
Cornelius Burke, Superintendent of Sewers.
Arrow C. Hankins, Superintendent of Street Cleaning.
Edward F. Kelly, Superintendent of Public Buildings and Offices.
Telephone 1900 Greenpoint.

BOROUGH OF RICHMOND.

President's Office, New Brighton, Staten Island.
George Cromwell, President.
Maybury Fleming, Secretary.
Louis Lincoln Tribus, Consulting Engineer and Acting Commissioner of Public Works.
William R. Hillyer, Assistant Commissioner of Public Works, Bureau of Engineering—Topography.
Theodore S. Oxholm, Engineer in charge, Bureau of Engineering—Construction.
John Seaton, Superintendent of Buildings.
H. F. Buel, Superintendent of Highways.
John T. Fetherston, Assistant Engineer and Acting Superintendent of Street Cleaning.
Ernest H. Seehusen, Superintendent of Sewers.
John Timlin, Jr., Superintendent of Public Buildings and Offices.
Offices—Borough Hall, New Brighton, N. Y., 9 a. m. to 5 p. m. Saturdays, 9 a. m. to 12 m.
Telephone, 1000 Tompkinsville.

CORONERS.

Borough of The Bronx—Corner of Third avenue and Tremont avenue—Telephone, 1250 Tremont and 1402 Tremont.
Robert F. McDonald, A. F. Schwannecke.
William T. Austin, Chief Clerk
Borough of Brooklyn—Office, Rooms 1 and 3 Municipal Building, Telephone, 4004 Main and 4005 Main.
Henry J. Brewer, M. D., John F. Kennedy.
Joseph McGuinness, Chief Clerk.
Open all hours of the day and night.
Borough of Manhattan—Office, Criminal Courts Building, Centre and White streets. Open at all times of the day and night.
Coroners: Julius Harburger, Peter P. Acritelli, George F. Shrady, Jr., Peter Dooley.
Julius Harburger, President Board of Coroners.
Jacob E. Bausch, Chief Clerk.
Telephones. 1094, 5057 5038 Franklin.
Borough of Queens—Office, Borough Hall, Fulton street, Jamaica, L. I.
Samuel D. Nutt, Alfred S. Ambler.
Martin Mager, Jr., Chief Clerk.
Office hours, from 9 a. m. to 10 p. m.
Borough of Richmond—No. 44 Second street, New Brighton. Open for the transaction of business all hours of the day and night.
Matthew J. Cahill.
Telephone, 7 Tompkinsville.

COUNTY OFFICES.

NEW YORK COUNTY.

COMMISSIONER OF JURORS.

Room 127 Stewart Building, Chambers street and Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Thomas Allison, Commissioner.
Frederick P. Simpson, Assistant Commissioner.
Telephone, 241 Worth.

COMMISSIONER OF RECORDS.

Office, Hall of Records.
William S. Andrews, Commissioner
James O. Farrell, Deputy Commissioner.
Telephone, 3900 Worth.
Office hours, 9 a. m to 4 p. m.; Saturdays, 9 a. m. to 12 m.

COUNTY CLERK.

Nos. 5, 8, 9, 10 and 11 New County Court-house
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Peter J. Dooling, County Clerk.
John F. Curry, Deputy.
Joseph J. Glennen, Secretary.
Telephone, 870 Cortlandt.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.
Office hours from 9 a. m. to 5 p. m., Saturdays 9 a. m. to 12 m.
Wm. Travers Jerome, District Attorney.
John A. Henneberry, Chief Clerk.
Telephone, 2304 Franklin.

PUBLIC ADMINISTRATOR.

No. 119 Nassau street, 9 a. m. to 4 p. m.; Saturday 9 a. m. to 12 m.
William M. Hoes, Public Administrator.
Telephone, 6376 Cortlandt.

REGISTER.

Hall of Records. Office hours, from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
Frank Gass, Register.
William H. Sinnott, Deputy Register.
Telephone, 3900 Worth.

SHERIFF.

No. 299 Broadway, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. Except during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Thomas F. Foley, Sheriff.
John F. Gilchrist, Under Sheriff.
Telephone, 4984 Worth.

SURROGATE.

Hall of Records. Court open from 9 a. m. to 4 p. m., except Saturday when it closes at 12 m. During the months of July and August the hours are from 9 a. m. to 2 p. m.
Abner C. Thomas and John P. Cohalan, Surrogates; William V. Leary, Chief Clerk.

KINGS COUNTY.

COMMISSIONER OF JURORS.

5 County Court-house.
Jacob Brenner, Commissioner.
Jacob A. Livingston, Deputy Commissioner.
Office hours from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Office hours during July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 1454 Main

COMMISSIONER OF RECORDS.

Hall of Records.
Office hours, 9 a. m. to 4 p. m., excepting months of July and August, then 9 a. m. to 2 p. m., Saturdays 9 a. m. to 12 m.
Lewis M. Swasey, Commissioner.
D. H. Ralston, Deputy Commissioner.
Telephone. 1114 Main.
Telephone, 1082 Main.

COUNTY CLERK.

Hall of Records, Brooklyn. Office hours, 9 a. m. to 4 p. m.; during months of July and August, 9 a.m. to 2 p. m.; Saturdays, 9 a. m. to 12 m.
Frank Ehlers, County Clerk.
Robert A. Sharkey, Deputy County Clerk.
Telephone call, 4930 Main.

COUNTY COURT.

County Court-house, Brooklyn, Rooms, 10, 17, 18, 22 and 23. Court opens at 10 a. m. daily and sits until business is completed. Part I., Room No. 23; Part II., Room No. 10, Court-house. Clerk's Office, Rooms 17, 18 and 22, open daily from 9 a. m. to 4 p. m.; Saturdays, 12 m.
Norman S. Dike and Lewis L. Fawcett, County Judges.
Charles S. Devoy, Chief Clerk.
Telephone, 4154 and 4155 Main.

DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn. Hours, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
John F. Clarke, District Attorney.
Telephone number, 2955-6-7-Main.

PUBLIC ADMINISTRATOR.

No. 44 Court street (Temple Bar), Brooklyn, 9 a. m. to 5 p. m.
Charles E. Teale, Public Administrator.
Telephone, 2840 Main.

REGISTER.

Hall of Records. Office hours, 9 a. m. to 4 p. m., excepting months of July and August; then from 9 a. m. to 2 p. m., provided for by statute. Saturdays, 9 a. m. to 12 m.
William A. Prendergast, Register.
Frederick H. E. Ebstein, Deputy Register
Telephone, 2830 Main.

SHERIFF.

County Court-house, Brooklyn, N. Y.
9 a. m. to 4 p. m.; Saturdays, 12 m.
Alfred T. Hobley, Sheriff.
James P. Connell, Under Sheriff.
Telephone, 6845, 6846, 6847, Main.

SURROGATE.

Hall of Records, Brooklyn, N. Y.
Herbert T. Ketcham, Surrogate.
Edward J. Bergen, Chief Clerk and Clerk of the Surrogate's Court
Court opens at 10 a. m. Office hours, 9 a. m. to p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 3954 Main.

QUEENS COUNTY.

COMMISSIONER OF JURORS.

Office hours, 9 a. m. to 4 p. m.; July and August, 9 a. m. to 2 p. m.; Saturdays, 9 a. m. to 12 m. Queens County Court-house, Long Island City.
John P. Balbert, Commissioner of Jurors.
Telephone, 455 Greenpoint.

COUNTY CLERK.

No. 364 Fulton street, Jamaica, Fourth Ward Borough of Queens, City of New York.
Office open, 9 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 m.
John Niederstein, County Clerk.
Frank C. Klingenbeck, Secretary.
Henry Walter, Jr., Deputy County Clerk.
Telephone, 151 Jamaica.

COUNTY COURT.

Temporary County Court-house, Long Island City
County Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September. Special Terms each Saturday, except during August and first Saturday of September.
County Judge's office always open at No. 336 Fulton street, Jamaica, N. Y.
Burt J. Humphrey, County Judge.
Telephone, 286 Jamaica.

DISTRICT ATTORNEY.

Office, Queens County Court-house, Long Island City, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.
Frederick G. De Witt, District Attorney.
Telephone, 39 Greenpoint.

PUBLIC ADMINISTRATOR.

No. 17 Cook avenue, Elmhurst.
John T. Robinson, Public Administrator, County of Queens.
Telephone, 335 Newtown.

SHERIFF.

County Court-house, Long Island City, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Herbert S. Harvey, Sheriff.
John M. Phillips, Under Sheriff.
Telephone, 43 Greenpoint (office).
Telephone, 372 Greenpoint.

SURROGATE.

Daniel Noble, Surrogate.
Office, No. 364 Fulton street, Jamaica.
Except on Sundays, holidays and half holidays, the office is open from 9 a. m. to 4 p. m.; Saturdays, from 9 a. m. to 12 m
The calendar is called on Tuesday of each week at 10 a. m., except during the month of August.
Telephone, 397 Jamaica.

RICHMOND COUNTY.

COMMISSIONER OF JURORS.

Village Hall, Stapleton.
Charles J. Kullman, Commissioner.
Office open from 9 a. m. until 4 p. m.; Saturdays, from 9 a. m. to 12 m.
Telephone, 81 Tompkinsville.

COUNTY CLERK.

County Office Building, Richmond, S. I., 9 a. m. to 4 p. m.
C. L. Bostwick, County Clerk.
County Court-house, Richmond, S. I., 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.
Telephone, 28 New Dorp.

COUNTY JUDGE AND SURROGATE.

Terms of Court, Richmond County, 1909.
County Courts—Stephen D. Stephens, County Judge.
First Monday of June, Grand and Trial Jury.
Second Monday of November, Grand and Trial Jury
Fourth Wednesday of January, without a Jury.
Fourth Wednesday of February, without a Jury.
Fourth Wednesday of March, without a Jury.
Fourth Wednesday of April, without a Jury
Fourth Wednesday of July, without a Jury.
Fourth Wednesday of September, without a Jury.
Fourth Wednesday of October, without a Jury.
Fourth Wednesday of December, without a Jury.
Surrogate's Court—Stephen D. Stephens, Surrogate.
Mondays, at the Borough Hall, St. George, at 10.30 o'clock a. m.
Tuesdays, at the Borough Hall, St. George, at 10.30 o'clock a. m.
Wednesdays, at the Surrogate's Office, Richmond at 10.30 o'clock a. m.

DISTRICT ATTORNEY.

Borough Hall, St. George, S. I.
Samuel H. Evins.
Telephone, 50 Tompkinsville.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m to 12 m.

SHERIFF.

County Court-house, Richmond, S. I.
Joseph T. Barth.
Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

THE COURTS.

APPELLATE DIVISION OF THE SUPREME COURT.

FIRST JUDICIAL DEPARTMENT.

Court-house, Madison avenue, corner Twenty-fifth street. Court opens at 1 p. m. (Friday, Motion day at 10.30 a. m.)
Edward Patterson, Presiding Justice; George L. Ingraham, Chester B. McLaughlin, Frank C. Laughlin, John Proctor Clarke, James W. Houghton Francis M. Scott, Justices; Alfred Wagstaff, Clerk; William Lamb, Deputy Clerk.
Clerk's Office opens at 9 a. m.
Telephone, 3840 Madison Square.

SUPREME COURT—FIRST DEPARTMENT.

County Court-house, Chambers street. Court open from 10.15 a. m. to 4 p. m.
Special Term, Part I. (motions), Room No. 16.
Special Term, Part II. (ex-parte business), Room No. 13.
Special Term, Part III., Room No. 19.
Special Term, Part IV., Room No. 20.
Special Term, Part V., Room No. 6.
Special Term, Part VI. (Elevated Railroad cases) Room No. 31.
Trial Term, Part II., Room No. 34.
Trial Term, Part III., Room No. 22.
Trial Term, Part IV., Room No. 21.
Trial Term, Part V., Room No. 24.
Trial Term, Part VI., Room No. 18.
Trial Term, Part VII., Room No. —.
Trial Term, Part VIII., Room No. 23.
Trial Term, Part IX., Room No. 35
Trial Term, Part X., Room No. 26.
Trial Term, Part XI., Room No. 27.
Trial Term, Part XII., Room No. —.
Trial Term, Part XIII., and Special Term, Part VII., Room No. 36.
Trial Term, Part XIV., Room No. 28.
Trial Term, Part XV., Room No. 37.
Trial Term, Part XVI., Room No. —.
Trial Term, Part XVII., Room No. 20
Trial Term, Part XVIII., Room No. 29.
Appellate Term, Room No. 29.
Naturalization Bureau, Room No. 38, third floor.
Assignment Bureau, room on mezzanine floor, northeast.
Clerks in attendance from 10 a. m. to 4 p. m.
Clerk's Office, Special Term, Part I. (motions) Room No. 15.
Clerk's Office, Special Term, Part II. (ex-parte business), ground floor, southeast corner.
Clerk's Office, Special Term, Calendar, ground floor, south.
Clerk's Office, Trial Term, Calendar, room north east corner, second floor, east.
Clerk's Office, Appellate Term, room southwest corner, third floor.
Trial Term, Part I. (criminal business).
Criminal Court-house, Centre street.
Justices—Charles H. Truax, Charles F. MacLean Henry Bischoff, Leonard A. Giegerich P Henry Dugro, James Fitzgerald, James A. O'Gorman, James A. Blanchard, Samuel Greenbaum, Edward E. McCall, Edward B. Amend, Vernon M. Davis, Victor J. Dowling, Joseph E. Newburger, John W. Goff, Samuel Seabury, M. Warley Platzek, Peter A. Hendrick, John Ford, Charles W. Dayton, John J. Brady, Mitchell L. Erlanger, Charles L. Guy, James W. Gerard, Irving Lehman, Edward B. Whitney.
Peter J. Dooling, Clerk, Supreme Court
Telephone, 4580 Cortlandt

SUPREME COURT—SECOND DEPARTMENT.

Kings County Court-house, Borough of Brooklyn N. Y.
Court open daily from 10 o'clock a. m. to 5 o'clock p. m. Seven jury trial parts. Special Term for Trials. Special Term for Motions.
James F. McGee, General Clerk.
Telephone, 5460 Main.

CRIMINAL DIVISION—SUPREME COURT.

Building for Criminal Courts, Centre, Elm, White and Franklin streets.
Court opens at 10.30 a. m.
Peter J. Dooling, Clerk; Edward R. Carroll, Special Deputy to the Clerk.
Clerk's Office open from 9 a. m to 4 p m.; Saturdays, 9 a. m. to 12 m.
Telephone, 6064 Franklin.

COURT OF GENERAL SESSIONS.

Held in the Building for Criminal Courts, Centre Elm, White and Franklin streets.
Court opens at 10.30 a. m.
Thomas C. T. Crain, Otto A. Rosalsky, Warren W. Foster, Thomas C. O'Sullivan, Edward Swann Joseph F. Mulqueen, James T. Malone, Judges of the Court of General Sessions Edward R. Carroll Clerk. Telephone, 1201 Franklin.
Clerk's Office open from 9 a. m. to 4 p. m.
During July and August Clerk's Office will close at 2 p. m., and on Saturdays at 12 m

CITY COURT OF THE CITY OF NEW YORK.

No. 32 Chambers street, Brownstone Building, City Hall Park, from 10 a. m. to 4 p. m.
Part I.
Part II.
Part III.
Part IV.
Part V.
Part VI.
Part VII.
Part VIII.
Special Term Chambers will be held from 10 a. m to 4 p. m.
Clerk's Office open from 9 a. m. to 4 p. m
Edward F. O'Dwyer, Chief Justice; Lewis J. Conlan, Francis B. Delehanty, Joseph I. Green Alexander Finelite, Thomas F. Donnelly, John V McAvoy, Peter Schmuck, Richard T. Lynch, Edward B. La Fetra, Justices. Thomas F. Smith, Clerk.
Telephone, 6142 Cortlandt.

COURT OF SPECIAL SESSIONS.

Building for Criminal Courts, Centre street between Franklin and White streets, Borough of Manhattan.
Court opens at 10 a. m.
Justices—First Division—William E. Wyatt, Willard H. Olmsted, Joseph M. Deuel, Lorenz Zeller Jonn B. Mayo, Franklin Chase Hoyt. William M. Fuller, Clerk.
City Magistrates to sit in the Court of Special Sessions until November 30, 1909—Charles W. Harris, Joseph F. Moss.
Clerk's Office open from 9 a. m. to 4 p. m.
Telephone, 2092 Franklin, Clerk's office.
Telephone, 601 Franklin, Justices' chambers.

Second Division—Trial Days—No. 171 Atlantic avenue, Brooklyn, Mondays, Thursdays and Fridays at 10 o'clock; Town Hall, Jamaica, Borough of Queens, Tuesday at 10 o'clock; Borough Hall, St George, Borough of Richmond, Wednesdays at 10 o'clock.
Justices—Howard J. Forker, John Fleming, Morgan M. L. Ryan, Robert J. Wilkin, George J. O'Keefe, James J. McInerney. Joseph L. Kerrigan Clerk.
Clerk's Office, No. 171 Atlantic avenue, Borough of Brooklyn, open from 9 a. m to 4 p. m.

CHILDREN'S COURT.

First Division—No. 66 Third avenue, Manhattan. Ernest K. Coulter, Clerk.
Telephone, 5353 Stuyvesant.
Second Division—No. 102 Court street, Brooklyn William F. Delaney, Clerk.
Telephone, 627 Main.

CITY MAGISTRATES' COURT.

First Division.

Court open from 9 a. m. to 4 p. m.
City Magistrates—Robert C. Cornell, Leroy B. Crane. Peter T. Barlow, Matthew P. Breen, Joseph F. Moss, Henry Steinert, Daniel E. Finn, Frederick B. House, Charles N. Harris, Frederic Kernochan, Arthur C. Butts. Joseph E. Corrigan, Moses Herrman, Paul Krotel, Keyran J. O'Connor, Henry W. Herbert.
Philip Bloch, Secretary, One Hundred and Twenty-first street and Sylvan place.
First District—Criminal Courts Building.
Second District—Jefferson Market.
Third District—No. 69 Essex street.
Fourth District—No. 151 East Fifty-seventh street.
Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place
Sixth District—One Hundred and Sixty-first street and Brook avenue.
Seventh District—No. 314 West Fifty-fourth street,
Eighth District—Main street, Westchester.

Second Division.

Borough of Brooklyn.

City Magistrates—Edward J. Dooley, James G. Tighe, John Naumer, E. G. Higginbotham, Frank E. O'Reilly, Henry J. Furlong, A. V. B. Voorhees, Jr., Alexander H. Geismar, John F. Hylan, Howard P. Nash.
President of the Board, Edward J. Dooley, No. 232 Clermont avenue.
Secretary to the Board, Charles J. Flanigan, Myrtle and Vanderbilt avenues, and No. 648 Halsey street.

Courts.

First District—No. 318 Adams street.
Second District—Court and Butler streets.
Third District—Myrtle and Vanderbilt avenues
Fourth District—No. 186 Bedford avenue.
Fifth District—No. 249 Manhattan avenue.
Sixth District—No. 495 Gates avenue.
Seventh District—No. 31 Snider avenue (Flatbush)
Eighth District—West Eighth street (Coney Island).
Ninth District—Fifth avenue and Twenty-third street.
Tenth District—No. 133 New Jersey avenue.

Borough of Queens.

City Magistrates—Matthew J. Smith, Joseph Fitch, Maurice E. Connolly, Eugene C. Gilroy.

Courts.

First District—St. Mary's Lyceum, Long Island City.
Second District—Town Hall, Flushing, L. I.
Third District—Central avenue, Far Rockaway L. I.

Borough of Richmond

City Magistrates—Joseph B. Handy, Nathaniel Marsh.

Courts

First District—Lafayette place, New Brighton, Staten Island.
Second District—Village Hall, Stapleton, Staten Island.

MUNICIPAL COURTS.

Borough of Manhattan.

First District—The First District embraces the territory bounded on the south and west by the southerly and westerly boundaries of the said borough, on the north by the centre line of Fourteenth street and the centre line of Fifth street from the Bowery to Second avenue, on the east by the centre lines of Fourth avenue from Fourteenth street to Fifth street, Second avenue, Chrystie street, Division street and Catharine street.
Wanhope Lynn, William F. Moore, John Hoyer, Justices.
Thomas O'Connell, Clerk
Location of Court—Merchants' Association Building, Nos. 54-60 Lafayette street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Additional Parts are held at southwest corner of Sixth avenue and Tenth street and at No. 128 Prince street.
Telephone, 6030 Franklin.

Second District—The Second District embraces the territory bounded on the south by the centre line of Fifth street from the Bowery to Second avenue and on the south and east by the southerly and easterly boundaries of the said borough, on the north by the centre line of East Fourteenth street on the west by the centre lines of Fourth avenue from Fourteenth street to Fifth street. Second avenue, Chrystie street, Division street and Catharine street.
George F. Roesch, Benjamin Hoffman, Leon Sanders. Thomas P. Dinnean, Justices.
James J. Devlin, Clerk.
Location of Court—Nos. 264 and 266 Madison street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m
Telephone, 2596 Orchard

Third District—The Third District embraces the territory bounded on the south by the centre line of Fourteenth street, on the east by the centre line of Seventh avenue from Fourteenth street to Fifty-ninth street and by the centre line of Central Park West from Fifty-ninth street to Sixty-fifth street on the north by the centre line of Sixty-fifth street and the centre line of Fifty-ninth street from Seventh to Eighth avenue, on the west by the westerly boundary of the said borough.
Thomas E. Murray, James W. McLaughlin, Justices.
Michael Skelly, Clerk.
Location of Court—No. 314 West Fifty-fourth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone number, 5450 Columbus.

Fourth District—The Fourth District embraces the territory bounded on the south by the centre line of East Fourteenth street, on the west by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, on the north by the centre line of Fifty-ninth street, on the east by the easterly line of said borough; excluding, however, any portion of Blackwell's Island.
Michael F. Blake, William J. Bovhan, Justices.
Abram Bernard. Clerk.
Location of Court—Part I., and Part II., No. 151 East Fifty-seventh street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

Fifth District—The Fifth District embraces the territory bounded on the south by the centre line of Sixty-fifth street, on the east by the centre line of Central Park West, on the north by the centre line of One Hundred and Tenth street, on the west by the westerly boundary of said borough.
Alfred P. W. Seaman, William Young, Frederick Spiegelberg, Justices.
James V. Gilloon, Clerk.
Location of Court—Broadway and Ninety-sixth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 4006 Riverside.

Sixth District—The Sixth District embraces the territory bounded on the south by the centre line of Fifty-ninth street and by the centre line of Ninety-sixth street from Lexington avenue to Fifth avenue, on the west by the centre line of Lexington avenue from Fifty-ninth street to Ninety-sixth street and the centre line of Fifth avenue from Ninety-sixth street to One Hundred and Tenth street, on the north by the centre line of One Hundred and Tenth street, on the east by the easterly boundary of said borough, including, however, all of Blackwell's Island and excluding any portion of Ward's Island.
Herman Joseph, Jacob Marks, Justices.
Edward A. McQuade, Clerk.
Location of Court—Northwest corner of Third avenue and Eighty-third street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 4343 79-St

Seventh District—The Seventh District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the east by the centre line of Fifth avenue to the northerly terminus thereof, and north of the northerly terminus of Fifth avenue, following in a northerly direction the course of the Harlem river, on a line conterminous with the easterly boundary of said borough, on the north and west by the northerly and westerly boundaries of said borough.
Phillip J. Sinnott, David L. Weil, John R. Davies, Justices.
Heman B. Wilson, Clerk.
Location of Court—No. 70 Manhattan street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m

Eighth District—The Eighth District embraces the territory bounded on the south by the centre line of One Hundred and Tenth street, on the west by the centre line of Fifth avenue, on the north and east by the northerly and easterly boundaries of said borough, including Randall's Island and the whole of Ward's Island.
Joseph P. Fallon, Leopold Prince, Justices.
William J. Kennedy, Clerk.
Location of Court—Sylvan place and One Hundred and Twenty-first street, near Third avenue. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 3950 Harlem.

Ninth District—The Ninth District embraces the territory bounded on the south by the centre line of Fourteenth street and by the centre line of Fifty-ninth street from the centre line of Seventh avenue to the centre line of Central Park West, on the east by the centre line of Lexington avenue and by the centre line of Irving place, including its projection through Gramercy Park, and by the centre line of Fifth avenue from the centre line of Ninety-sixth street to the centre line of One Hundred and Tenth street, on the north by the centre line of Ninety-sixth street from the centre line of Lexington avenue to the centre line of Fifth avenue and by One Hundred and Tenth street from Fifth avenue to Central Park West, on the west by the centre line of Seventh avenue and Central Park West.
Edgar J. Lauer, Frederick De Witt Wells, Frank D. Sturges, William C. Wilson, Justices.
William J. Chamberlain, Clerk.
Location of Court—Southwest corner of Madison avenue and Fifty-ninth street. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.
Telephone, 2872 Plaza
Telephone, 3873 Plaza

Borough of The Bronx.

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 934 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Eastchester and Pelham, including the Villages of Wakefield and Williamsbridge. Court-room, Town Hall, No. 1400 Williamsbridge road, Westchester Village. Court open daily Sundays and legal holidays excepted), from 9 a. m. to 4 p. m. Trial of causes, Tuesday and Friday of each week.
Peter A. Sheil, Justice.
Stephen Collins, Clerk
Office hours from 9 a. m to 4 p m: Saturdays closing at 12 m.
Telephone, 457 Westchester

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 934 of the Laws of 1895. Court-room, southeast corner of Washington avenue and One Hundred and Sixty-second street. Office hours, from 9 a. m. to 4 p. m. Court opens at 9 a. m., Sundays and legal holidays excepted.
John M. Tierney, Justice. Thomas A. Maher, Clerk.
Telephone, 3043 Melrose.

Borough of Brooklyn.

First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards and that portion of the Eleventh Ward beginning at the intersection of the centre lines of Hudson and Myrtle avenues, thence along the centre line of Myrtle avenue to North Portland avenue, thence along the centre line of North Portland avenue to Flushing avenue, thence along the centre line of Flushing avenue to Navy street, thence along the centre line of Navy street to Johnson street, thence along the centre line of Johnson street to Hudson avenue, and thence along the centre line of Hudson avenue to the point of beginning, of the Borough of Brooklyn. Court-house, northwest corner State and Court streets. Parts I. and II.

John J. Walsh, Justice. Edward Moran, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Second District—Seventh Ward and that portion of the Twenty-first and Twenty-third Wards west of the centre line of Stuyvesant avenue and the centre line of Schenectady avenue, also that portion of the Twentieth Ward beginning at the intersection of the centre lines of North Portland and Myrtle avenues, thence along the centre line of Myrtle avenue to Waverly avenue, thence along the centre line of Waverly avenue to Park avenue, thence along the centre line of Park avenue to Washington avenue, thence along the centre line of Washington avenue to Flushing avenue, thence along the centre line of Flushing avenue to North Portland avenue, and thence along the centre line of North Portland avenue to the point of beginning.

Court-room, No. 495 Gates avenue.

Gerard B. Van Wart and Charles J. Dodd, Justices. Franklin B. Van Wart, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Third District—Embraces the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards, and that portion of the Twenty-seventh Ward lying northwest of the centre line of Starr street between the boundary line of Queens County and the centre line of Central avenue, and northwest of the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and northwest of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway. Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

Philip D. Meagher and William J. Bogenshutz, Justices. John W. Carpenter Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Court opens at 9 a.m

Telephone 995 Williamsburg.

Fourth District—Embraces the Twenty-fourth and Twenty-fifth Wards, that portion of the Twenty-first and Twenty-third Wards lying east of the centre line of Stuyvesant avenue and east of the centre line of Schenectady avenue, and that portion of the Twenty-seventh Ward lying southeast of the centre line of Starr street between the boundary line of Queens and the centre line of Central avenue, and southeast of the centre line of Suydam street between the centre lines of Central and Bushwick avenues, and southeast of the centre line of Willoughby avenue between the centre lines of Bushwick avenue and Broadway.

Court-room, No. 14 Howard avenue.

Thomas H. Williams, Justice. G. J. Wiederhold Clerk

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted

Fifth District—Contains the Eighth Thirtieth and Thirty-first Wards, and so much of the Twenty second Ward as lies south of Prospect avenue. Court-house, northwest corner of Fifty-third street and Third avenue.

Cornelius Furgueson, Justice. Jeremiah J. O'Leary, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m., Sundays and legal holidays excepted.

Telephone, 407 Bay Ridge.

Sixth District—The Sixth District embraces the Ninth and Twenty-ninth Wards and that portion of the Twenty-second Ward north of the centre line of Prospect avenue; also that portion of the Eleventh and the Twentieth Wards beginning at the intersection of the centre lines of Bridge and Fulton streets; thence along the centre line of Fulton street to Flatbush avenue; thence along the centre line of Flatbush avenue to Atlantic avenue; thence along the centre line of Atlantic avenue to Washington avenue; thence along the centre line of Washington avenue to Park avenue; thence along the centre line of Park avenue to Waverly avenue; thence along the centre line of Waverly avenue to Myrtle avenue; thence along the centre line of Myrtle avenue to Hudson avenue; thence along the centre line of Hudson avenue to Johnson street; thence along the centre line of Johnson street to Bridge street, and thence along the centre line of Bridge street to the point of beginning.

Lucien S. Bayliss and George Fielder, Justices Charles P. Bible, Clerk.

Court-house, No. 611 Fulton street.

Seventh District—The Seventh District embraces the Twenty-sixth, Twenty-eighth and Thirty-second Wards

Alexander S. Rosenthal and Edward A. Richards, Justices Samuel F. Brothers, Clerk.

Court-house, corner Pennsylvania avenue and Fulton street (No. 31 Pennsylvania avenue).

Clerk's Office open from 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m. Trial days, Tuesdays, Wednesdays, Thursdays and Fridays.

Jury days, Tuesdays and Fridays.

Clerk's Telephone, 904 East New York.

Court Telephone, 905 East New York.

Borough of Queens.

First District—First Ward (all of Long Island City formerly composing five wards). Court-room, St. Mary's Lyceum, Nos. 115 and 117 Fifth street, Long Island City.

Clerk's Office open from 9 a. m. to 4 p. m. each day, excepting Saturdays, closing at 12 m. Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

Thomas C. Kadien, Justice. Thomas F. Kennedy, Clerk.

Telephone, 2376 Greenpoint.

Second District—Second and Third Wards, which include the territory of the late Towns of Newtown and Flushing. Court-room in Court-house of the late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. Address, Elmhurst, Queens County, New York.

William Rasquin, Jr., Justice. Luke J. Connorton, Clerk.

Trial days, Tuesdays and Thursdays.

Clerk's Office open from 9 a. m. to 4 p. m.

Telephone, 87 Newtown.

Third District—Fourth and Fifth Wards, comprising the territory of the former Towns and Villages of Jamaica, Far Rockaway and Rockaway Beach.

James F. McLaughlin, Justice. George W. Damon, Clerk.

Court-house, Town Hall, Jamaica.

Telephone, 189 Jamaica.

Clerk's Office open from 9 a. m. to 4 p. m.

Court held on Mondays, Wednesdays and Fridays at 9 a. m.

Borough of Richmond.

First District—First and Third Wards (Towns of Castleton and Northfield). Court-room, former Village Hall, Lafayette avenue and Second street, New Brighton.

Thomas C. Brown, Justice. Anning S. Prall, Clerk.

Clerk's Office open from 8.45 a. m. to 4 p. m.

Telephone, 503 Tompkinsville.

Second District—Second, Fourth and Fifth Wards Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.

George W. Stake, Justice. Peter Tiernan, Clerk.

Clerk's Office open from 9 a. m. to 4 p. m.

Court opens at 9 a. m. Calendar called at 10 a. m Court continued until close of business. Trial days. Mondays, Wednesdays and Fridays.

Telephone, 313 Tompkinsville.

OFFICIAL BOROUGH PAPERS.

BOROUGH OF THE BRONX.

"The Bronx Star," "North Side News," "Bronx Independent."

BOROUGH OF RICHMOND.

"Staten Island World," "The Staten Islander."

BOROUGH OF QUEENS.

"Long Island Star" (First and Second Wards), "Flushing Evening Journal" (Third Ward), "Long Island Farmer" (Fourth Ward), "Rockaway News" (Fifth Ward).

BOROUGH OF BROOKLYN.

"Brooklyn Eagle," "Brooklyn Times," "Brooklyn Citizen," "Brooklyn Standard-Union," "Brooklyner Freie Presse."

BOROUGH OF MANHATTAN.

"Real Estate Record and Guide" (Harlem District), "Manhattan and Bronx Advocate" (Washington Heights, Morningside Heights and Harlem Districts).

Designated by Board of City Record June 19, 1906. Amended June 20, 1906; September 30, 1907; February 24, 1908; March 5 and 16, 1908, and March 16, 1909.

BOARD MEETINGS.

Board of Estimate and Apportionment.

The Board of Estimate and Apportionment meets in the Old Council Chamber (Room 16), City Hall, every Friday, at 10.30 o'clock a. m.

JOSEPH HAAG,
Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Old Council Chamber (Room 16), City Hall, at call of the Mayor.

N. TAYLOR PHILLIPS,
Deputy Comptroller, Secretary.

Board of Revision of Assessments.

The Board of Revision of Assessments meets in the Old Council Chamber (Room 16), City Hall, every Thursday at 11 a. m., upon notice of the Chief Clerk.

HENRY J. STORRS,
Chief Clerk.

Board of City Record.

The Board of City Record meets in the Old Council Chamber (Room 16), City Hall, at call of the Mayor.

PATRICK J. TRACY,
Supervisor, Secretary.

DEPARTMENT OF FINANCE.

Sureties on Contracts.

UNTIL FURTHER NOTICE SURETY COMpanies will be accepted as sufficient upon the following contracts to the amounts named:

Supplies of Any Description, Including Gas and Electricity.

One company on a bond up to $50,000.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Construction.

One company on a bond up to $25,000.

Including regulating, grading, paving, sewers, maintenance, dredging, construction of parks, parkways, docks, buildings, bridges, tunnels, aqueducts, repairs, heating, ventilating, plumbing, etc., etc.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated September 16, 1907.

Asphalt, Asphalt Block and Wood Block Pavements.

Two companies will be required on any and every bond up to amount authorized by letter of Comptroller to the surety companies, dated September 16, 1907.

Dated June 19, 1909.

H. A. METZ, Comptroller.

Notice of Sale.

NOTICE OF SALE.

DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS, COLLECTOR'S OFFICE, No. 280 BROADWAY, MANHATTAN.

NOTICE OF CONTINUATION OF MANHATTAN TAX SALE.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Manhattan, as to liens remaining unsold at the termination of sales of June 7, 10, 17, July 1, 15, August 19, September 20, October 14, November 11, December 2 and 9, 1909, has been continued to

THURSDAY, DECEMBER 23, 1909,

at 10 a. m., pursuant to section 1028 of the Greater New York Charter, and will be continued at that time at the Aldermanic Chamber, in the City Hall, as heretofore.

DANIEL MOYNAHAN,
Collector of Assessments and Arrears.

Dated December 9, 1909.

d10,23

Interest on City Bonds and Stock.

INTEREST ON BONDS AND STOCK OF THE CITY OF NEW YORK.

THE INTEREST DUE ON JANUARY 1, 1910, on the Registered Bonds and Stock of The City of New York will be paid on January 3, 1910, by the Comptroller, at his office, Room 85, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books thereof will be closed from December 15, 1909, to January 3, 1910.

The interest due on January 1, 1910, on the Coupon Bonds of the late City of Brooklyn will be paid on January 3, 1910, by the Nassau National Bank of Brooklyn, No. 26 Court street.

The interest due January 1, 1910, on the Coupon Bonds of Corporations in Queens and Richmond Counties will be received on January 3, 1910, for payment by the Comptroller at his office, Room 85, Stewart Building, corner of Broadway and Chambers street.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, November 30, 1909.

d1,31

Notices to Property Owners.

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby give public notice to all persons, owners of property, affected by the following assessment for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

THIRTIETH WARD, SECTION 19.

EIGHTIETH STREET — REGULATING, GRADING, CURBING AND LAYING CEMENT SIDEWALKS, between Twenty-second and Twenty-third avenues. Area of assessment: Both sides of Eightieth street, from Twenty-second to Twenty-third avenue, and to the extent of half the block at the intersecting streets.

—that the same was confirmed by the Board of Revision of Assessments on December 16, 1909, and entered December 16, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Mechanics' Bank Building, Court and Montague streets, Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when such assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d18,j3

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessment for LOCAL IMPROVEMENTS in the BOROUGH OF MANHATTAN:

ELEVENTH WARD, SECTION 2.

RESTORING ASPHALT PAVEMENT on EAST FIFTH STREET, between Avenues C and D. Area of assessment: South side of East Fifth street, about 168 feet west of Avenue D, known as No. 740 East Fifth street, Lot No. 28, in Block 374.

The above assessment was certified to the Collector of Assessments and Arrears, under the provisions of section 391 of the Greater New York Charter.

—that the same was entered on December 17, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, No. 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 15, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 17, 1909.

d18,j3

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessment for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 11.

WEST STREET—SEWER, between Honeywell avenue and Crotona parkway. Area of assessment includes blocks bounded by Honeywell avenue, Crotona parkway, East One Hundred and Eighty-first street and East One Hundred and Eighty-second street.

—that the same was confirmed by the Board of Revision of Assessments on December 16, 1909, and entered December 16, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d18,j3

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named place in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 11.

TRAFALGAR PLACE—OPENING, from East One Hundred and Seventy-fifth street to One Hundred and Seventy-sixth street. Confirmed November 24, 1909; entered December 16, 1909. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of a line midway between Trafalgar place and Waterloo place with the northerly line of East One Hundred and Seventy-fifth street, and running thence northerly along the centre line of the block between Trafalgar place and Waterloo place and the prolongation of said line to a point distant 100 feet north of the northerly side of East One Hundred and Seventy-sixth street; thence eastwardly and parallel with the northerly line of East One Hundred and Seventy-sixth street to the intersection with a line drawn at right angles to the line of East One Hundred and Seventy-sixth street, and passing through a point on the southerly side of the street midway between Trafalgar place and the Southern boulevard; thence southwardly along the line last described to the southerly line of East One Hundred and Seventy-sixth street; thence southwardly to a point on the northerly line of East One Hundred and Seventy-fifth street, midway between the easterly line of Trafalgar place and the westerly line of the Southern boulevard; thence continuing along the said course to the southerly line of East One Hundred and Seventy-fifth street; thence southwardly at right angles to the southerly line of East One Hundred and Seventy-fifth street 100 feet; thence westwardly and parallel with the southerly line of East One Hundred and Seventy-fifth street to the intersection with a line drawn at right angles to the line of East One Hundred and Seventy-fifth street, and passing through the point described as the point or place of beginning; thence northwardly to the point or place of beginning.

The above entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d18,j3

NOTICE OF ASSESSMENTS FOR LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN, CITY OF NEW YORK.

NOTICE IS HEREBY GIVEN THAT THE assessment roll in the following entitled matter has been completed and will be due and payable on the 16th inst., and that the authority for the collection of the same has been delivered to the Collector of Assessments and Arrears, and all persons liable to pay such assessment are required to pay the same without delay at his

office in the Mechanics Bank Building, Court and Montague streets, in the Borough of Brooklyn

Assessment for benefit from PROSPECT PARK (for lands taken) under chapter 244, Laws of 1878, thirty-second installment.

Extracts from the Law.

Chapter 583, Laws of 1888, title 7, section 10, as amended by chapter 888, Laws of 1895; chapter 775, Laws of 1896, and section 937, chapter 378, Laws of 1897, and chapter 466 of the Laws of 1901 amendatory thereof.

On all * * * assessments which shall be paid to the Collector of Assessments and Arrears before the expiration of thirty days from the time the same shall become due and payable, an allowance shall be made to the person or persons making such payments at the rate of seven and three-tenths per centum per annum for the unexpired portion thereof. On all * * * assessments * * * paid after the expiration of thirty days from the time the same shall have become due and payable there shall be added to and collected as part of every such assessment * * * interest at the rate of nine per cent. per annum, to be computed from the time the same became due and payable to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 14, 1909.

d17,31

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named avenue in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 12, AND ANNEXED TERRITORY.

BRIGGS AVENUE—OPENING, from the Bronx River to Pelham Bay Park. Confirmed April 25, 1906, and November 12, 1909; entered December 14, 1909. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of the southeasterly line of Station place with the northwesterly prolongation of a line drawn parallel to and distant 500 feet southwesterly from the southwesterly line of that part of Briggs avenue lying east of White Plains road; thence northeasterly along said easterly line of Station place and its northeasterly prolongation to an intersection with the easterly line of Bronx River; thence northerly along the easterly line of Bronx River to its intersection with the northwesterly prolongation of a line drawn parallel to and distant 500 feet northeasterly from the northeasterly line of that part of Briggs avenue lying east of White Plains road; thence southeasterly along said prolongation and parallel line and its southeasterly prolongation to an intersection with a line drawn parallel to the northerly right of way line of the New York, New Haven and Hartford Railroad, and distant 175 feet southerly therefrom; thence westerly along said parallel line to its intersection with the southeasterly prolongation of a line drawn parallel to the southwesterly line of Briggs avenue and distant 500 feet southwesterly therefrom; thence northwesterly along said prolongation and parallel line and its northwesterly prolongation to the point or place of beginning.

The above entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days ofter the date of said entry of the assessments, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 14, 1909.

d17,31

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

TWENTY-THIRD WARD, SECTION 10.

AUSTIN PLACE—SEWER, between East One Hundred and Forty-seventh and One Hundred and Forty-ninth streets, and ONE HUNDRED AND FORTY-SEVENTH STREET—SEWER, between Austin place and Southern boulevard. Area of assessment: Both sides of One Hundred and Forty-seventh street, between Austin place and Southern boulevard, and both sides of Austin place, between One Hundred and Forty-seventh and One Hundred and Forty-ninth streets.

BRYANT AVENUE—SEWER, between Garrison and Lafayette avenues. Area of assessment: Both sides of Bryant avenue, from Garrison avenue to Lafayette avenue; south side of Garrison avenue, both sides of Seneca avenue and north side of Lafayette avenue, between Faile street and Bryant avenue.

SENECA AVENUE—SEWER, between Whittier street and Hunts Point road. Area of assessment: Both sides of Seneca avenue, from Whittier street to Hunts Point road; both sides of Longfellow avenue, from Garrison avenue to Lafayette avenue; both sides of Bryant avenue and Faile street and Hunts Point road, between Seneca and Lafayette avenues.

TWENTY-THIRD AND TWENTY-FOURTH WARDS, SECTION 11.

MACOMBS DAM ROAD—SEWER, between Jerome avenue and West One Hundred and Seventieth street. Area of assessment: Both sides of Macombs Dam road, from One Hundred and Seventieth street to a point about 470 feet southerly.

TWENTY-FOURTH WARD, SECTION 11.

MINFORD PLACE—PAVING THE ROADWAY AND SETTING CURB, from Boston road to Jennings street. Area of assessment: Both sides of Minford place, from Boston road to Jennings street, and to the extent of half the block at the intersecting streets.

TWENTY-FOURTH WARD, SECTION 12.

ALBANY ROAD — SEWER, between Two Hundred and Thirty-fourth street and Two Hundred and Thirty-eighth street. Area of assessment: Both sides of Albany road, from Two Hundred and Thirty-fourth street to Two Hundred and Thirty-eighth street; both sides of Two Hundred and Thirty-sixth street, from Albany road to Putnam avenue, and both sides of Two Hundred and Thirty-eighth street, from Albany road to Bailey avenue.

TWENTY-FOURTH WARD, SECTION 11.

MOUNT HOPE PLACE—SEWER, between the west house line of the Grand Boulevard and Concourse and Monroe avenue, and GRAND BOULEVARD AND CONCOURSE—SEWER, both sides, between Mount Hope place and East One Hundred and Seventy-sixth street, and GRAND BOULEVARD AND CONCOURSE—SEWER, east side, between Tremont avenue and Echo place, and between One Hundred and Seventy-eighth and One Hundred and Seventy-ninth streets. Area of assessment: Both sides of Grand Boulevard and Concourse, from Mount Hope place to One Hundred and Seventy-sixth street; north side of One Hundred and Seventy-sixth street, from Monroe avenue to Grand Boulevard and Concourse; east side of Grand Boulevard and Concourse, Tremont avenue and Echo place and between One Hundred and Seventy-eighth and One Hundred and Seventy-ninth streets.

—that the same were confirmed by the Board of Assessors on December 14, 1909, and entered December 14, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, No. 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessments became liens to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 14, 1909.

d17,31

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF QUEENS:

FIRST WARD.

SIXTH AVENUE—REGULATING, GRADING, CURBING, LAYING SIDEWALKS AND CROSSWALKS, from Vandeventer avenue to Flushing avenue. Area of assessment: Both sides of Sixth avenue, from Vandeventer avenue to Flushing avenue, and to the extent of half the block at the intersecting avenues.

—that the same was confirmed by the Board of Assessors December 14, 1909, and entered December 14, 1909, in the Record of Titles of Assessment, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the collection of Assessments and Arerars of Taxes and Assessments and of Water Rents, at the Hackett Building, No. 51 Jackson avenue, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. until 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 14, 1909.

d17,31

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF MANHATTAN:

TWELFTH WARD, SECTION 7.

WEST ONE HUNDRED AND FORTIETH STREET—PAVING, CURBING AND RECURBING, from Broadway to Riverside drive. Area of assessment: Both sides of One Hundred and Fortieth street, from Broadway to Riverside drive.

TWELFTH WARD, SECTION 6.

ONE HUNDRED AND FORTY-SECOND STREET—EXTENSION OF SEWER, from the end of the present sewer to the Harlem River. Area of assessment: Both sides of One Hundred and Forty-second street, from Lenox avenue to the Harlem River; east side of Lenox avenue, from One Hundred and Twenty-ninth street to One Hundred and Forty-second street, including Lots Nos. 58 and 59½ of Block 1739, and both sides of One Hundred and Thirty-third street, from Lenox avenue to a point 160 feet easterly.

—that the same were confirmed by the Board of Assessors on December 14, 1909, and entered December 14, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 14, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 14, 1909.

d17,31

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named avenue in the BOROUGH OF RICHMOND:

FOURTH WARD.

SEA VIEW AVENUE—OPENING, from Richmond road to Southfield boulevard. Confirmed October 29, 1909; entered December 10, 1909. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Richmond, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of a line parallel to and distant 100 feet northwesterly from the northwesterly line of Prospect avenue and the northwesterly prolongation of a line parallel to and distant one hundred (100) feet southwesterly from the southwesterly line of Liberty avenue; running thence northeasterly along the said line parallel to Prospect avenue to its intersection with the northeasterly line of Four Corners road; thence from said last point of intersection on a line parallel to Richmond road to its intersection with the northwesterly prolongation of a line parallel to and distant one hundred (100) feet northeasterly from the northeasterly line of Garretson avenue; thence southeasterly along said last-mentioned northwesterly prolongation and parallel line to its intersection with a line parallel to and distant one hundred (100) feet southeasterly from the southeasterly line of Southfield boulevard; thence southwesterly along said last-mentioned parallel line to its intersection with the middle line of the blocks between Garretson avenue and Sea View avenue; thence southeasterly along said last-mentioned middle line to its intersection with the southeasterly property line of the Garretson Homestead Farm; thence westerly along said property line to its intersection with the middle line of the blocks between Sea View avenue and Liberty avenue; thence northeasterly along said last-mentioned middle line of the blocks to its intersection with a line parallel to and distant one hundred (100) feet southeasterly from the southeasterly line of Southfield boulevard; thence southwesterly along said last-mentioned line parallel to Southfield boulevard to its intersection with a line parallel to and distant one hundred (100) feet southwesterly from the southwesterly line of Liberty avenue; thence northwesterly along said parallel line and its northwesterly prolongation to the point or place of beginning.

The above entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Borough Hall, St. George, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 8, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 10, 1909.

d13,27

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court, and the entering in the Bureau for the Collection of Assessments and Arrears, of the assessment for OPENING AND ACQUIRING TITLE to the following-named streets in the BOROUGH OF MANHATTAN:

TWELFTH WARD, SECTION 8.

THAYER STREET—OPENING, from Broadway to Nagle avenue, and ARDEN STREET—OPENING, from Broadway to Nagle avenue. Confirmed November 16, 1909; entered December 10, 1909. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Manhattan, in The City of New York, which, taken together, are bounded and described as follows, viz.:

On the east by a line midway between the easterly side of Thayer street and the westerly side of Dyckman street, the same extended northwardly and southwardly; on the west by a line midway between the westerly side of Arden street and the easterly side of Sickles street, and the same extended northwardly and southwardly; on the north by a line 100 feet north of the northerly side of Broadway and parallel therewith between the extensions of the easterly and westerly boundaries above described, and on the south by a line 100 feet south of the southerly side of Nagle avenue and parallel therewith between the extension of the easterly and westerly boundaries above described.

The above-entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room 85, No. 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 8, 1910, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 10, 1909.

d13,27

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF MANHATTAN:

EIGHTEENTH WARD, SECTION 3.

RECEIVING BASINS on the northeast corner of TWENTY-THIRD STREET AND AVENUE A, and on the southeast corner of TWENTY-FOURTH STREET AND AVENUE A. Area of assessment: East side of Avenue A, from Twenty-third to Twenty-fourth street.

TWELFTH WARD, SECTION 7.

ONE HUNDRED AND THIRTY-NINTH STREET—PAVING, CURBING AND RECURBING, from Broadway to Riverside drive. Area of assessment: Both sides of One Hundred and Thirty-ninth street, from Broadway to Riverside drive, and to the extent of half the block at the intersecting streets.

WEST ONE HUNDRED AND FORTY-EIGHTH STREET—PAVING, CURBING AND RECURBING, from Broadway to Riverside drive. Area of assessment: Both sides of One Hundred and Forty-eighth street, from Broadway to Riverside drive, and to the extent of half the block at the intersecting streets.

TWELFTH WARD, SECTION 8.

ONE HUNDRED AND SEVENTY-SECOND STREET—PAVING, CURBING AND RECURBING, from Amsterdam avenue to Audubon avenue. Area of assessment: Both sides of One Hundred and Seventy-second street, from Amsterdam avenue to Audubon avenue, and to the extent of half the block at the intersecting streets.

—that the same were confirmed by the Board of Assessors on December 7, 1909, and entered December 7, 1909, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter.

Said section provides, in part, that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment, from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room H, No. 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before February 5, 1910, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessments became liens to the date of payment.

HERMAN A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 7, 1909.

d11,24

Corporation Sales.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY PROPERTY BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids all the buildings, parts of buildings, etc., now standing upon property owned by The City of New York acquired by it for street opening purposes in the

Borough of The Bronx.

Being the buildings, parts of buildings, etc., standing within the lines of Bartholdi street, from White Plains road to Holland avenue, in the Twenty-fourth Ward of the Borough of The Bronx, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held December 15, 1909, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

FRIDAY, JANUARY 7, 1910,

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 1. Part of two and one-half story frame building with steps at the southeast corner of Bartholdi street and White Plains road. Cut 2.9 feet on west side by 5.3 feet on east side by 41.6 feet.

Parcel No. 2. Part of two-story frame house No. 711 Bartholdi street. Cut 4.3 feet on west and east sides by 25 feet.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 141, No. 280 Broadway, Borough of Manhattan, until 11 a. m. on the 7th day of January, and then publicly opened for the sale for removal of the above described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened January 7, 1910," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room 141, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

The buildings will be sold for immediate removal only, subject to the following

TERMS AND CONDITIONS.

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of The Bronx, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d20,j7

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY PROPERTY BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids all the buildings, parts of buildings, etc., now standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of The Bronx

said buildings being situated upon land more particularly described as follows:

Being the buildings known as Parcel No. 49, remaining on the proceeding for the opening of West Farms road, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held October 9, 1907, the sale of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

THURSDAY, JANUARY 6, 1910,

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 49. At the corner of West Farms road and the road to the dock: Two-story frame building and one-story frame extension, recently occupied by the Department of Water Supply, Gas and Electricity.

The above buildings will be sold upon the usual terms and conditions, as contained in other advertisements for the sale of old material in the CITY RECORD.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d20,j6

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE COMMISsioner of Parks of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids all the buildings, parts of buildings, etc., now standing upon property owned by The City of New York, acquired by it for park purposes, in the

Borough of The Bronx.

Being the buildings, parts of buildings, etc., situated in Pelham Bay Park, known as the Ogden House, a house at Rodmans Neck and an old barn at Orchard Beach.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held December 15, 1909, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, JANUARY 5, 1910

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 1. Ogden House, a three-story frame building located on the westerly side of Eastern boulevard, 1,560 feet north of Split Rock road and 400 feet west of said boulevard.

Parcel No. 2. One-story frame barn and inclosed shed attached, located near lane leading from City Island road to Orchard Bathing Beach, about 300 feet easterly of City Island road and 160 feet northerly of said lane.

Parcel No. 3. Two-story frame building recently occupied by Morris Yacht Club, located at the end of lane running southerly from angle of City Island road and distant 950 feet southerly therefrom.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 141, No. 280 Broadway, Borough of Manhattan, until 11 a. m. on the 5th day of January, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale, as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened January 5, 1910," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room 141, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

The buildings will be sold for immediate removal only, subject to the following

TERMS AND CONDITIONS.

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of The Bronx, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d18,j5

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE BOARD OF Education, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids all the buildings, parts of buildings, etc., now standing upon property owned by The City of New York, acquired by it for school site purposes in the

Borough of Brooklyn.

Being the buildings, parts of buildings, etc., now remaining upon the property acquired for the purposes of the Boys' High School on the west side of Marcy avenue, having a frontage of 315 on the south side of Madison street and the north side of Putnam avenue, and being known as Nos. 260 and 262 Madison street, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held December 15, 1909, the sale by sealed bids of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

TUESDAY, JANUARY 4, 1910,

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 1. Two two-story and basement brick and brownstone houses, Nos. 260 and 262 Madison street.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 141, No. 280 Broadway, Borough of Manhattan, until 11 a. m. on the 4th day of January, and then publicly opened for the sale for removal of the above described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened

January 4, 1910," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room 141, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

The buildings will be sold for immediate removal only, subject to the following

TERMS AND CONDITIONS.

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of Brooklyn, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made watertight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 16, 1909.

d18,j4

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids all the buildings, parts of buildings, etc., standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of Queens.

Being all the buildings, parts of buildings, etc., standing within the lines of Payntar avenue (Noble street), between Vernon avenue and the easterly side of Hamilton street, all of which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 141, No. 280 Broadway, Borough of Manhattan.

Pursuant to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held December 2, 1909, the sale by sealed bids of the above-described buildings and appurtenances thereto will be held by direction of the Comptroller on

WEDNESDAY, DECEMBER 22, 1909

at 11 a. m., in lots and parcels and in manner and form as follows:

Parcel No. 1—Two-story frame stable and shed at the southeast corner of Vernon and Payntar avenues.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 141, No. 280 Broadway, Borough of Manhattan, until 11 a. m., on the 22d day of December, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitled bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, 2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened December 22, 1909," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room 141, No. 280 Broadway, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

The buildings will be sold for immediate removal only, subject to the following

TERMS AND CONDITIONS.

The buildings and appurtenances thereto will be sold to the highest bidder, who must pay cash or a certified check drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances, between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstance of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street, and the opening of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers, Borough of Queens, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances or any part thereof within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances or portion as shall then be left standing, togeher with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the costs and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carelessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, projecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam-holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs of adjacent buildings shall be properly flashed and painted and made water tight where they have been disturbed by the operations of the contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, December 3, 1909.

d6,22

CORPORATION SALE OF REAL ESTATE.

D. & M. Chauncey Real Estate Company, Ltd., Auctioneers.

PUBLIC NOTICE IS HEREBY GIVEN that, pursuant to a resolution adopted by the Board of Estimate and Apportionment on the 12th day of November, 1909, and also by virtue of a resolution adopted by the Commissioners of the Common Lands of the late Town of Gravesend, adopted November 12, 1909, and in accordance with the provisions of law as enacted by chapter 638, Laws of 1895, as amended by chapter 69, Laws of 1897, and as further amended by chapter 472, Laws of 1897, and chapter 516, Laws of 1909, the Comptroller of The City of New York will offer for sale at public auction on

WEDNESDAY, DECEMBER 29, 1909,

at 12 o'clock m, at the Brooklyn Real Estate Exchange, No. 189 Montague street, in the City of Brooklyn, the following described real estate belonging to and being part of the Common Lands of the Town of Gravesend, located in the Borough of Brooklyn, being known and distinguished as Boulevard Lot No. 10 on the map of the Common Lands of the Town of Gravesend, and bounded and described as follows, viz.:

Beginning at a point on the westerly side of Ocean parkway, distant 1,024 feet southerly from the southwesterly corner of Ocean parkway and Sheepshead Bay road, which point of beginning is where the westerly side of Ocean parkway is intersected by the southerly line of Lot No. 11, as shown on a map of Common Lands at Coney Island, belonging to the Town of Gravesend, surveyed 1878, William Kowalski, City Surveyor, running thence westerly along the southerly side of Lot No. 11 as laid down on said map at right angles to said Ocean parkway 200 feet to the easterly side of West First street; thence southerly along the easterly side of West First street 100 feet to the northerly side of Lot No. 9 as laid down on said map; thence easterly along the northerly side of said Lot No. 9 and at right angles to Ocean parkway 200 feet to the westerly side of Ocean parkway; thence northerly along the westerly side of Ocean parkway 100 feet to the point or place of beginning, being Lot No. 10 on the above mentioned map, excepting so much as was taken for the widening of West First street.

The said premises are sold subject to the restrictive clauses and conditions as respectively described in chapter 861, Laws of 1869; chapter 726, Laws of 1872; chapter 583, Laws of 1874; chapter 702, Laws of 1897, and of such other of the Laws of the State of New York as may affect the portion of the said premises fronting on the boulevard as to court yards, tree planting or other matters appertaining thereto.

The sale of the said premises to be made by the Comptroller in the following manner:

Lot A in Parcel 1 will be sold at public auction at an upset price of $7,000, the said sale not to include the sale of the building on the premises, the owner of the same having sixty days to remove the building therefrom from the date of the sale. That Lot B in Parcel 1 be sold at public auction at an upset price of $9,000, and that immediately the two properties shall then be put up as one parcel 100 by 200 feet, and if the amount received for the sale of Parcel 1 in its entirety be not equivalent to the amount received for Parcels A and B separately, then the said separate bids shall be accepted. If, however, the amount of said sale for the entire parcel be greater than the amount of the bids for the parcels separately, then the sale shall go to the person bidding the highest amount on the parcel in its entirety.

The minimum or upset price at which the said property shall be sold is fixed as follows:

For Parcel A, $7,000; for Parcel B, $9,000, aggregating the sum of $16,000, and such sale is made upon the following

TERMS AND CONDITIONS.

Lots A and B, inclusive, herein described, will be offered first in two separate parcels, as separately described, and then the same will be offered in one entire parcel, and unless the prices bid for the said Parcels A and B, inclusive, aggregate more than the price bid for the same as one entire parcel, the bid for the same as one entire parcel will be accepted. In the event, however, that the said aggregate amount of bids for said Lots A and B, inclusive, shall exceed the amount of the bid for same as one entire parcel, said separate bids shall be accepted.

The highest bidder will be required to pay 10 per cent. of the amount of his bid, together with the auctioneer's fees at the time of the sale; 20 per cent. upon the delivery of the deed, which shall be thirty days from the date of the sale; the remaining 70 per cent. either to be paid on the date of the delivery of the deed, or at the option of the purchaser to remain on bond and mortgage for five years, with interest at the rate of 6 per cent. per annum, payable semi-annually. The mortgage to contain the customary thirty days' interest and ninety days' tax, assessment, insurance and receiver's clauses. The bond and mortgage may be paid off at any time within the term thereof on giving thirty days' notice to the Comptroller, or may be paid in installments of not less than $5,000 at any date when interest is due, or on thirty days' notice.

The bond and mortgage will be prepared by the Corporation Counsel and the sum of $12.50 will be charged for drawing, acknowledging and recording the same.

The property is to be sold free and clear of taxes, assessments and water rates and sales for the same. The deed delivered by the City to be a quitclaim deed, granting the right, title and interest of The City of New York in and to the property described and sold.

The Comptroller has been directed, and may at his option, resell the property if the successful bidder or bidders shall fail to comply with the terms of sale, and the person so failing to comply with said terms will be held liable for any deficiency which may result from any such resale.

The right to reject any bid is also reserved by the Comptroller, although 10 per cent. of the purchase money may have been paid down at the time of the sale and a receipt given therefor.

Maps of said real estate may be seen on application at the Comptroller's office, Stewart Building, No. 280 Broadway, Manhattan.

By order of the Commissioners of the Common Lands of the late Town of Gravesend, under resolution adopted November 12, 1909, and also by order of the Board of Estimate and Apportionment, under resolution adopted November 12, 1909.

H. A. METZ, Comptroller.

City of New York, Department of Finance, Comptroller's Office, November 20, 1909.

n22,d29

BOROUGH OF RICHMOND.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, BOROUGH HALL, ST. GEORGE, NEW BRIGHTON, NEW YORK CITY.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond at the above office until 12 o'clock noon on

WEDNESDAY, DECEMBER 29, 1909,

Borough of Richmond.

FOR FURNISHING THREE TANK WAGONS WITH HEATING ATTACHMENT.

The time for the completion of the work and the full performance of the contract is until December 31, 1909.

The amount of security required is One Thousand Dollars ($1,000).

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the said President. The plans and drawings may be seen and other information obtained at the office of the Commissioner of Public Works of the Borough of Richmond, Borough Hall, New Brighton, Borough of Richmond.

GEORGE CROMWELL, President.

The City of New York, December 11, 1909.

d17,29

☞ **See General Instructions to Bidders on the last page, last column, of the "City Record."**

BROOKLYN DISCIPLINARY TRAINING SCHOOL.

BOARD OF MANAGERS OF THE BROOKLYN DISCIPLINARY TRAINING SCHOOL FOR BOYS (CENTRAL OFFICE), NOS. 4 AND 5 COURT SQUARE, BOROUGH OF BROOKLYN, NEW YORK CITY.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Supplies Committee of the Board of Managers of the Brooklyn Disciplinary Training School for Boys at the above office until 11 o'clock a. m., on

WEDNESDAY, DECEMBER 29, 1909,

FOR FURNISHING AND DELIVERING GROCERIES, VEGETABLES, MEATS, FISH, BREAD, ROLLS AND PIE, MILK AND CREAM, ICE, DRY GOODS AND CLOTH AND TAILOR-SHOP SUNDRIES, HARDWARE, LEATHER AND SHOE-SHOP SUNDRIES, LUMBER, ENGINEER'S SUPPLIES, DRUGS, ETC., EDUCATIONAL AND SCHOOL SUPPLIES, PAINTS, OILS, ETC., HAY, GRAIN AND FEED.

The time for the performance of the contract is during the year 1910.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms may be obtained at the office of the Board of Managers, Nos. 4 and 5 Court square, Borough of Brooklyn.

The bidder will state the price of each item contained in the specifications herein contained or hereto annexed, by which the bids will be tested. The extensions of each class must be made and

footed up, as the bids will be read from the total footings and awards made to the lowest bidder on each item, as specified in schedule or annexed specifications.

Samples will be on exhibition at the school, Eighteenth avenue, between Fifty-sixth and Fifty-eighth streets, Brooklyn.

EPHRAIM BYK,
President, Board of Managers.
ARTHUR M. TAYLOR,
Secretary, Board of Managers.
The City of New York, December 13, 1909.

d16,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

CHANGE OF GRADE DAMAGE COMMISSION.

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893 and the acts amendatory thereof and supplemental thereto, notice is hereby given that meetings of the Commissioners appointed under said acts will be held at the office of the Commission, Room 219, No. 280 Broadway (Stewart Building), Borough of Manhattan, New York City, on Mondays, Wednesdays and Fridays of each week, at 2 o'clock p. m., until further notice.

Dated New York City, July 27, 1909.

WILLIAM E. STILLINGS,
GEORGE C. NORTON,
LEWIS A. ABRAMS,
Commissioners.

LAMONT MCLOUGHLIN, Clerk.

SHERIFF, NEW YORK COUNTY.

OFFICE OF THE SHERIFF OF THE COUNTY OF NEW YORK, No. 299 BROADWAY, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Sheriff of the County of New York at the above office until 11 o'clock a. m. on

THURSDAY, DECEMBER 23, 1909, Borough of Manhattan.

FOR REPAIRING THE LUDLOW STREET JAIL, LOCATED AT NOS. 70 TO 74 LUDLOW STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract will be sixty (60) days.

The amount of security required will be Three Thousand Dollars ($3,000).

The bidder will state the price of the entire work contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the architects, Bernstein & Bernstein, No. 24 East Twenty-fourth street, New York City.

Dated December 10, 1909.

THOMAS F. FOLEY, Sheriff.

d11,23

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF CITY RECORD.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received at the office of the Supervisor of the City Record, in The City of New York, until 11 o'clock a. m. on

TUESDAY, DECEMBER 28, 1909,

FOR SUPPLYING STATIONERY, ETC., FOR THE USE OF COURTS AND THE DEPARTMENTS AND BUREAUS OF THE CITY OF NEW YORK DURING 1910.

The time for the delivery of the materials and supplies and the performance of the contract shall be not later than July 1, 1910. The Supervisor, however, may require a delivery at an earlier date of any item or items on this contract by notice to the contractor, whereupon item or items called for must be delivered not later than 30 days after said notice.

The amount of security shall be twenty-five per cent. (25%) of the amount of the bid.

The bidder must state the price of each item. The bids will be tested and the award made to the bidders whose bids are the lowest for each schedule.

The said Board reserves the right to reject all bids or estimates if it deems it to be for the interest of the City so to do.

Delivery will be required to be made at the office of the City Record from time to time and in such quantities as may be directed by the Supervisor of the City Record.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work, reference must be made to the specifications, to be had at the office of the Supervisor.

GEORGE B. McCLELLAN, Mayor;
FRANCIS K. PENDLETON, Corporation Counsel;
HERMAN A. METZ, Comptroller;
Board of City Record.
The City of New York, December 16, 1909.

d16,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

FRIDAY, DECEMBER 31, 1909, Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING ALL LABOR, MATERIALS AND TOOLS AND PAINTING HYDRANTS LOCATED IN THE STREETS AND AVENUES OF THE BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

The time allowed for doing and completing the work will be sixty (60) working days.

The security required will be One Thousand Dollars ($1,000).

No. 2. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS IN SOUTHERN BOULEVARD AND IN ONE HUNDRED AND THIRTY-THIRD STREET.

The time allowed for doing and completing the work will be two hundred (200) working days.

The security required will be Thirty Thousand Dollars ($30,000).

The bids will be compared and each contract awarded for all the work, articles, materials and supplies contained in the specifications or schedule attached thereto.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, and any further information may be obtained upon application therefor at the office of the Department, Bureau of Chief Engineer, Room 922, No. 21 Park row, New York City, where the plans, which are made a part of the specifications, may also be seen, and any further information obtained from the Chief Engineer.

JOHN H. O'BRIEN, Commissioner.
Dated December 17, 1909.

d18.31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

FRIDAY, DECEMBER 31, 1909, Borough of Richmond.

No. 3. FOR FURNISHING, DELIVERING AND STORING ELEVEN THOUSAND (11,000) GROSS TONS OF ANTHRACITE COAL.

The time for the delivery of the articles, materials and supplies and the performance of the contract is December 31, 1910.

The amount of security will be Eighteen Thousand Dollars ($18,000).

The bidder will state the price, per unit, of each item of work or supplies contained in the specifications or schedule, by which the bids will be tested.

The bids will be compared and each contract awarded for all the work, articles, materials and supplies contained in the specifications or schedule attached thereto.

Bidders are requested to make their bids or estimates upon the blank forms prepared by the Department, a copy of which, with the proper envelope in which to inclose the bid or estimate, together with a copy of the plans and contract, including the specifications, in the form approved by the Corporation Counsel, may be obtained upon application therefor at the office of the Department, Room 922, No. 21 Park row, New York City, or at the office of the Department for the Borough of Richmond, Borough Hall, Borough of Richmond, where the original plans, which are made a part of the specifications, may also be seen, and any further information desired may be obtained from the Engineer in charge of the Borough.

JOHN H. O'BRIEN, Commissioner.
The City of New York, December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

FRIDAY, DECEMBER 31, 1909, Borough of Brooklyn.

No. 5. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES AND REMOVING EXISTING WATER MAINS IN BUSHWICK, LEWIS, LEXINGTON, REID AND STUYVESANT AVENUES, AND IN BEAVER STREET, BOROUGH OF BROOKLYN.

The time allowed for doing and completing the work will be one hundred and twenty-five (125) working days.

The security required will be Seventy Thousand Dollars ($70,000).

Bidders are particularly cautioned that a provision in the contract requires the maintenance of the pipes, joints, valves, hydrants, pavements, etc., in good condition for the period of one year from the final completion and acceptance of the work.

The bidder will state the price per unit of each item of work or supplies contained in the specifications or schedule, by which the bids will be tested.

The bids will be compared and the contract awarded for all the work, articles, materials and supplies contained in the specifications or schedule attached thereto and shown in the contract drawings.

All bids must be made upon the blank form of proposal, which will be furnished with the contract and contract drawings upon application. This form, when properly filled out and signed and sworn to in accordance with the directions given in the form, shall be inclosed in the printed envelope prepared for this purpose by the Department. This envelope, bearing the title of the contract, shall be sealed and indorsed with the name of the person or persons submitting the proposal and with the date of presentation to the head of said Department at the said office.

The form of contract and the contract drawings may be obtained at the office of the Chief Engineer for the Borough of Brooklyn, Room 25, Municipal Building, on depositing there for each set of contract, specifications and drawings the sum of five dollars ($5). Bidders desiring any explanation of the specifications or drawings must apply therefor to said Chief Engineer.

JOHN H. O'BRIEN, Commissioner.
Dated New York, December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

FRIDAY, DECEMBER 31, 1909, Boroughs of Manhattan and The Bronx.

No. 6. FOR FURNISHING AND DELIVERING OPERATING SUPPLIES FOR PUMPING STATIONS, AS FOLLOWS:

CLASS A—LUBRICATING OILS.
CLASS B—WASTE AND WIPERS.

The time for the complete delivery of the supplies and the performance of this contract will be three hundred and sixty-five (365) calendar days.

The amount of security shall be as follows:

Class A—Five Hundred Dollars ($500).
Class B—Three Hundred Dollars ($300).

Bids will be received for one or more classes. Awards will be made by classes.

Bidders must state a sum for which they will furnish the article or articles mentioned in each item or line number. The unit price will be understood to be said sum divided by the number of articles bid for. Bidders must bid for each item or line number, and the price or sum bid shall include containers and to be "net," without discount or conditions.

All goods must be delivered as directed. The weight, measure, etc., will be allowed as received at points of delivery.

Delivery will be required to be made from time to time and in such quantities and places as may be directed by the Engineer.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Department, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, and any further information may be obtained upon application therefor from the Chief Engineer.

JOHN H. O'BRIEN, Commissioner.
The City of New York, December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

FRIDAY, DECEMBER 3, 1909, Borough of Brooklyn.

FOR FURNISHING, DELIVERING AND LAYING A TRUNK DISTRIBUTION MAIN AND APPURTENANCES IN GLENMORE, PENNSYLVANIA AND BUSHWICK AVENUES, AND IN MADISON STREET, BOROUGH OF BROOKLYN.

The time allowed for doing and completing the entire work under this contract will be two hundred and fifty (250) working days.

A bond of Two Hundred Thousand Dollars ($200,000) will be required from the sureties or surety upon the execution of the contract.

The bidder may make a proposal on one or both forms of construction specified. Bid No. 1 covers cast iron pipes and specials throughout; Bid No. 2 requires that the 48-inch main shall be made of steel plates and the remainder of the pipes and specials, from 36 inches to 6 inches in diameter, and 48-inch bends, be of cast iron, as in Bid No. 1.

The bidder will state a price, both in writing and figures, per unit of measurement, for each and every item on which payment is to be made in Bid No. 1, or in the alternative Bid No. 2, and the bids will be tested by the aggregate total bid for each form of construction. The bids will be compared and the contract awarded for all the work, articles, materials and supplies required under Bid No. 1 or under alternative Bid No. 2 and contained in the specifications or schedules attached thereto and shown in the contract drawings.

All bids must be made upon the blank form of proposal, which will be furnished with the contract and contract drawings upon application. This form, when properly filled out, and signed and sworn to in accordance with the directions given in the form, shall be inclosed in the printed envelope prepared for this purpose by the Department. This envelope, bearing the title of the contract, shall be sealed and indorsed with the name of the person or persons submitting the proposal and with the date of presentation to the head of said Department at the said office.

The form of contract and the contract drawings may be obtained at the office of the Chief Engineer for the Borough of Brooklyn, Room 25, Municipal Building, on depositing there for each set of contract, specifications and drawings the sum of five dollars ($5). Bidders desiring any explanation of the specifications or drawings must apply therefor to said Chief Engineer.

JOHN H. O'BRIEN, Commissioner of Water Supply, Gas and Electricity.
Dated New York, November 19, 1909.

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

N. B.—The opening of the bids has been postponed until 2 p. m.

FRIDAY, DECEMBER 10, 1909,

and up to that hour bids will be received.

N. B.—The opening of the bids has been further postponed until 2 p. m.

FRIDAY, DECEMBER 17, 1909,

and up to that hour bids will be received.

N. B.—The opening of the bids has been further postponed until 2 p. m.

FRIDAY, DECEMBER 24, 1909,

and up to that hour bids will be received.

d18,24

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, ROOM 1536, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at the above office until 2 o'clock p. m. on

WEDNESDAY, DECEMBER 22, 1909, Borough of Brooklyn.

No. 1. FOR FURNISHING AND DELIVERING TOOLS, GARDEN IMPLEMENTS, ETC.

The time for delivery of the articles, materials and supplies and the performance of the contract is ninety (90) calendar days.

The amount of security shall be Two Thousand Dollars ($2,000).

All goods must be delivered as directed. The weight, measure, etc., will be allowed as received at points of delivery.

Delivery will be required to be made from time to time and in such quantities and places as may be directed by the Commissioner, or by the Deputy Commissioner for the Borough of Brooklyn.

The bids will be compared and the contract awarded for all the work, articles, materials and supplies contained in the specifications or schedule attached thereto.

No. 2. FOR FURNISHING AND DELIVERING PIPE, PIPE FITTINGS, VALVES, BOILER TUBES, ETC.

The time for delivery of the articles, materials and supplies and the performance of the contract will be ninety (90) calendar days.

The amount of security will be Fifty Per Cent. (50%) of the amount of the bid or estimate.

The bids will be compared and awards made to the lowest bidder on each class.

All goods must be delivered as directed. The weight, measure, etc., will be allowed as received at points of delivery.

No. 3. FOR FURNISHING AND DELIVERING SUPPLIES FOR PUMPING STATIONS, RESERVOIR AND REPAIR YARDS:

Class A—Soap, polishing paste, etc.
Class B—Electrical supplies.
Class C—Hardware.
Class D—Paints, oils, etc.
Class E—Engine room supplies.
Class F—Sheet metals.
Class G—Lamps, lanterns, etc.
Class H—Wire.
Class I—Leather and belting.

The time for delivery of the articles, materials and supplies and the performance of the contract is ninety (90) calendar days.

The amount of security shall be Fifty Per Cent. (50%) of the amount of the bid or estimate.

The bids will be compared and awards made by classes.

All goods must be delivered as directed. The weight, measure, etc., will be allowed as received at points of delivery.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the same, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Commissioner, or at the office of the Department for the Borough of Brooklyn, Room 28, Municipal Building, Borough of Brooklyn, where any further information can be obtained.

JOHN H. O'BRIEN, Commissioner.
The City of New York, December 8, 1909.

d9,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF STREET CLEANING.

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, JANUARY 7, 1910, Borough of Manhattan.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REPAIRS TO SCOWS NOS. 37 AND 40 OF THE DEPARTMENT OF STREET CLEANING.

The time for the completion of the work and the full performance of the contract is thirty (30) calendar days.

The amount of security required is Fifteen Hundred Dollars ($1,500).

Bids will be compared and the contract awarded at a lump or aggregate sum.

The bidder will state a lump or aggregate sum for the whole work, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.
Dated December 21, 1909.

d22,j7

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, DECEMBER 31, 1909. Borough of Manhattan.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM NO. 1."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is One Hundred Thousand Dollars ($100,000).

The compensation for piling will be at a rate or price per cubic yard computed by multiplying 75 per cent. of the depth of the snow and ice by the area of the street or avenue on which the snow or ice is piled. The compensation for removing will be at a rate or price per cubic yard computed by multiplying 33⅓ per cent. of the depth of snow and ice by the area of the street or avenue on which removal is performed. The depth of snow and ice shall be determined by the official reports of the New York Meteorological Observatory of the Department of Parks, Central Park, City of New York, and the official reports of the New York Weather Bureau of the United States, Department of Agriculture, and by an observatory to be established by the Commissioner of Street Cleaning in a proper position in Mount Morris Park. The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning, which have been drawn from the original survey and have been made by the Sanborn Map Company for the Department of Street Cleaning.

Compensation will be at a rate or price per cubic yard for snow and ice that has been piled, and at a rate or price per cubic yard for snow and ice that has been removed.

These prices must be written out and must also be given in figures.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bid will be determined by multiplying the price bid per cubic yard for piling by three, and adding to this product the price bid per cubic yard for removal. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for piling will be taken as the lowest bidder.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.
Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, DECEMBER 31, 1909,

Borough of The Bronx.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM No. 1."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is Twenty-five Thousand Dollars ($25,000).

The compensation for piling will be at a rate or price per cubic yard computed by multiplying 75 per cent. of the depth of the snow and ice by the area of the street or avenue on which the snow or ice is piled. The compensation for removing will be at a rate or price per cubic yard computed by multiplying 33⅓ per cent. of the depth of snow and ice by the area of the street or avenue on which removal is performed. The depth of snow and ice shall be determined by the reports from observatories to be established by the Commissioner of Street Cleaning in proper positions in Mount Morris Park, Borough of Manhattan, and in St. Mary's Park and Crotona Park, in the Borough of The Bronx. The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning, which have been drawn from the original survey and have been made by the Sanborn Map Company for the Department of Street Cleaning.

Compensation will be at a rate or price per cubic yard for snow and ice that has been piled, and at a rate or price per cubic yard for snow and ice that has been removed.

These prices must be written out and must also be given in figures.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bid will be determined by multiplying the price bid per cubic yard for piling by three, and adding to this product the price bid per cubic yard for removal. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for piling will be taken as the lowest bidder.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS,
Commissioner of Street Cleaning.

Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, DECEMBER 31, 1909.

Borough of Brooklyn.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM No. 1."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is One Hundred Thousand Dollars ($100,000).

The compensation for piling will be at a rate or price per cubic yard computed by multiplying 75 per cent. of the depth of the snow and ice by the area of the street or avenue on which the snow or ice is piled. The compensation for removing will be at a rate or price per cubic yard, computed by multiplying 33 1-3 per cent. of the depth of snow and ice by the area of the street or avenue on which removal is performed. The depth of snow and ice shall be determined by the official reports of the New York Weather Bureau of the United States, Department of Agriculture, and by observatories to be established by the Commissioner of Street Cleaning, in proper positions in Williamsburg Park and in Prospect Park. The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning, which have been drawn from the original survey and have been made by the Sanborn Map Company for the Department of Street Cleaning.

Compensation will be at a rate or price per cubic yard for snow and ice that has been piled, and at a rate or price per cubic yard for snow and ice that has been removed.

These prices must be written out, and must also be given in figures.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bid will be determined by multiplying the price bid per cubic yard for piling by three, and adding to this product the price bid per cubic yard for removal. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for piling will be taken as the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.

Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock noon on

FRIDAY, DECEMBER 31, 1909,

Borough of Manhattan.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM NO. 2."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is One Hundred Thousand Dollars ($100,000).

The compensation will be at a rate or price per cubic yard of snow and ice actually removed from the place or places where work under this contract is carried on. Compensation will be allowed for snow and ice that has been piled but has not been removed because of the work being stopped by the Commissioner of Street Cleaning; this compensation will be at a rate or price per cubic yard of snow and ice so piled computed by multiplying the area of the street or avenue upon which the snow and ice is gathered in heaps for removal by 75 per cent. of the depth of the snow and ice. The depth of snow and ice shall be determined by the official reports of the New York Meteorological Observatory of the Department of Parks and the official reports of the New York Observatory of the United States Department of Agriculture and by an observatory to be established by the Commissioner of Street Cleaning in a proper location in Mount Morris Park. The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning, which have been drawn from the original survey and have been made by the Sanborn Map Company for the Department of Street Cleaning.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bidder will be determined by multiplying the price bid per cubic yard for removal by three, and adding to this product the price bid per cubic yard for piling. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for removal will be taken as the lowest bidder.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.

Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, DECEMBER 31, 1909,

Borough of The Bronx.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM No. 2."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is Twenty-five Thousand Dollars ($25,000).

The compensation will be at a rate or price per cubic yard of snow and ice actually removed from the place or places where work under this contract is carried on. Compensation will be allowed for snow and ice that has been piled, but has not been removed because of the work being stopped by the Commissioner of Street Cleaning; this compensation will be at a rate or price per cubic yard of snow and ice so piled computed by multiplying the area of the street or avenue upon which the snow and ice is gathered in heaps for removal by 75 per cent. of the depth of the snow and ice.

The depth of snow and ice shall be determined by the reports of the observations made at observatories to be established by the Commissioner of Street Cleaning in a proper location in Mount Morris Park and in St. Mary's Park and in Crotona Park.

The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning which have been drawn from the original survey and have been made by the Sanborn Map Company for the Department of Street Cleaning.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bidder will be determined by multiplying the price bid per cubic yard for removal by three, and adding to this product the price bid per cubic yard for piling. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for removal will be taken as the lowest bidder.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS,
Commissioner of Street Cleaning.

Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

FRIDAY, DECEMBER 31, 1909,

Borough of Brooklyn.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE REMOVAL OF SNOW AND ICE.

"FORM No. 2."

The time for the completion of the work and the full performance of the contract is by or before April 15, 1910.

The amount of security required is One Hundred Thousand Dollars ($100,000).

The compensation will be at a rate or price per cubic yard of snow and ice actually removed from the place or places where work under this contract is carried on. Compensation will be allowed for snow and ice that has been piled, but has not been removed, because of the work being stopped by the Commissioner of Street Cleaning; this compensation will be at a rate or price per cubic yard of snow and ice so piled, computed by multiplying the area of the street or avenue upon which the snow and ice is gathered in heaps for removal by 75 per cent. of the depth of the snow and ice.

The depth of snow and ice shall be determined by the official reports of the New York Observatory of the United States Department of Agriculture, and by the reports of observations taken at observatories to be established by the Commissioner of Street Cleaning in Williamsburgh Park and Prospect Park.

The depth of snow and ice for each storm shall be the average of the observations taken at these points. The area of the street or avenue shall be taken from the area maps on file in the Department of Street Cleaning, which have been drawn from the original survey, and have been made by the Sanborn Map Company for the Department of Street Cleaning.

The contract, if awarded, will be awarded to the lowest bidder per cubic yard. The lowest bidder will be determined by multiplying the price bid per cubic yard for removal by three, and adding to this product the price bid per cubic yard for piling. Should this sum result in the same amount for two or more lowest bidders, that one of such bidders offering the lowest price per cubic yard for removal will be taken as the lowest bidder.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.

Dated December 17, 1909.

d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

TUESDAY, DECEMBER 28, 1909.

Boroughs of Manhattan, The Bronx and Brooklyn.

FOR FURNISHING AND DELIVERING TWELVE (12) TOP BUGGIES; SIX (6) TO BE DELIVERED IN THE BOROUGH OF MANHATTAN, TWO (2) IN THE BOROUGH OF THE BRONX, AND FOUR (4) IN THE BOROUGH OF BROOKLYN.

The time for the delivery of the articles, materials and supplies and the performance of the contract is sixty (60) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each top buggy, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and the award made to the lowest bidder.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS, Commissioner.

Dated December 14, 1909.

d15,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1403, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until 12 o'clock m. on

TUESDAY, DECEMBER 28, 1909.

Borough of Manhattan.

CONTRACT FOR FURNISHING AND DELIVERING FORAGE.

The time for the delivery of the supplies and the full performance of the contract is by or before March 31, 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of The Bronx.

CONTRACT FOR FURNISHING AND DELIVERING FORAGE.

The time for the delivery of the supplies and the performance of the contract is by or before March 31, 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of Brooklyn.

CONTRACT FOR FURNISHING AND DELIVERING FORAGE.

The time for the delivery of the supplies and the performance of the contract is by or before March 31, 1910.

The amount of security required is fifty per cent. (50%) of the amount of bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, per hundred pounds, ton, dozen, gallon, yard, or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder for each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13 to 21 Park row.

WM. H. EDWARDS,
Commissioner of Street Cleaning.

Dated December 14, 1909.

d15,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, JANUARY 6, 1910.

Borough of The Bronx.

FOR REPAIRING AND KEEPING IN REPAIR THE MOTOR, HORSE AND HAND LAWN MOWERS OF THE DEPARTMENT OF PARKS, BOROUGH OF THE BRONX, FOR THE SEASON OF 1910.

The time stipulated for the completion of the contract is before November 1, 1910.

The amount of security required is Six Hundred Dollars ($600).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

HENRY SMITH,
President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.

d22,j6

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,

Borough of Manhattan.

FOR ALL MATERIALS AND LABOR REQUIRED FOR FURNISHING AND INSTALLING ELECTRIC LIGHTING FIXTURES IN NEW ADDITION (F) OF THE METROPOLITAN MUSEUM OF ART, LOCATED IN CENTRAL PARK, ON THE WEST SIDE OF FIFTH AVENUE, OPPOSITE EIGHTY-THIRD STREET, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be thirty (30) consecutive working days.

The amount of security required is Two Thousand Dollars ($2,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated December 17, 1909.

d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,

Borough of Manhattan.

FOR FURNISHING AND DELIVERING ONE THOUSAND (1,000) CUBIC YARDS OF GARDEN MOULD FOR EAST RIVER PARK, BOROUGH OF MANHATTAN.

The time allowed for the delivery will be as required before May 30, 1910.

The amount of security required is One Thousand Dollars ($1,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated December 17, 1909.

d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909.

Borough of Manhattan.

FOR FURNISHING AND DELIVERING FRESH BEEF FOR THE CENTRAL PARK MENAGERIE, BOROUGH OF MANHATTAN.

The time allowed for the delivery will be as required before July 1, 1910.

The amount of security required is One Thousand Dollars ($1,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated December 17, 1909.

d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909.

Borough of Manhattan.

FOR FURNISHING AND DELIVERING FORAGE FOR PARKS, BOROUGH OF MANHATTAN.

The time allowed for the delivery will be as required before July 1, 1910.

The amount of security required is Six Thousand Dollars ($6,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.

Dated December 17, 1909.

d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,
Borough of The Bronx.

FOR CONSTRUCTING A BRICK DRAIN IN VAN CORTLANDT PARK, IN THE CITY OF NEW YORK.

The time allowed for doing and completing the work will be two hundred (200) working days.

The security required will be Forty Thousand Dollars ($40,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained and plans may be seen at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, Borough of The Bronx.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
d16,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,
Borough of The Bronx.

FOR FURNISHING AND DELIVERING FORAGE (NO. 1, 1910) FOR PARKS, BOROUGH OF THE BRONX.

The time allowed for the delivery of the articles, materials and supplies and the performance of the contract will be before July 1, 1910.

The amount of security required is One Thousand Dollars ($1,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
d15,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,
Borough of The Bronx.

FOR PAVING WITH ASPHALT THE UNPAVED EXISTING WALKS IN ST. MARY'S PARK, IN THE BOROUGH OF THE BRONX, IN THE CITY OF NEW YORK.

The security required will be Three Thousand Dollars ($3,000).

The time allowed for doing and completing the work will be fifty (50) working days.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Zbrowski Mansion, Claremont Park, The Bronx.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
d15,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909.
Borough of Brooklyn.

FOR REPAIRS AND ALTERATIONS TO BREEZE HILL BRIDGE, PROSPECT PARK, BOROUGH OF BROOKLYN.

The time allowed for the completion of the contract is thirty (30) consecutive working days.

The amount of security required is Four Thousand Dollars ($4,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Litchfield Mansion, Prospect Park, Borough of Brooklyn.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
d14,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 23, 1909,
Borough of Manhattan.

FOR REGULATING, GRADING AND LAYING ROCK ASPHALT MASTIC WALKS AND MAKING OTHER IMPROVEMENTS IN THE GROUNDS ADJACENT TO THE NEW COMFORT STATION OPPOSITE GRANT'S TOMB, IN RIVERSIDE PARK, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

The time allowed for the completion of the whole work will be one hundred (100) consecutive working days.

The amount of security required is Eleven Thousand Dollars ($11,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, Arsenal, Central Park.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
Dated December 13, 1909.
d13,23

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909.
Boroughs of Brooklyn and Queens.

FOR REPAIRS TO LAWN MOWERS.

The time allowed for the completion of the contract will be until November 15, 1910.

The amount of security required is One Thousand Dollars ($1,000).

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms may be obtained at the office of the Department of Parks, Litchfield Mansion, Prospect Park, Brooklyn.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
d13.30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,
Borough of Manhattan.

CONTRACT No. 11.

FOR WORK AND MATERIAL FOR THE FURNITURE AND EQUIPMENT OF THE NEW YORK PUBLIC LIBRARY, ASTOR, LENOX AND TILDEN FOUNDATIONS, FIFTH AVENUE, FORTIETH AND FORTY-SECOND STREETS, BOROUGH OF MANHATTAN.

The security required will be One Hundred Thousand Dollars ($100,000).

The time allowed for doing and completing the work will be twelve (12) calendar months after notice to begin work at the building has been given by the Commissioner.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Plans may be seen and blank forms may be obtained at the office of the Department of Parks, Arsenal, Central Park, New York City, and also at the office of the Architects, Carrere & Hastings, New York Public Library Building, Manhattan.

HENRY SMITH, President;
JOSEPH I. BERRY,
MICHAEL J. KENNEDY,
Commissioners of Parks.
Dated December 11, 1909.
d11,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

FIRE DEPARTMENT

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

THURSDAY, DECEMBER 30, 1909.
Boroughs of Manhattan, The Bronx and Richmond.

No. 2. FOR FURNISHING AND DELIVERING TEN THOUSAND FEET OF 3-INCH RUBBER FIRE HOSE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is ninety (90) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Boroughs of Brooklyn and Queens.

No. 1. FOR FURNISHING AND DELIVERING FIFTEEN THOUSAND FEET OF 2½-INCH COTTON RUBBER LINED FIRE HOSE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred (100) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of Queens.

No. 2. FOR FURNISHING AND DELIVERING ONE GASOLENE FIRE ENGINE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and twenty (120) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard, or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

NICHOLAS J. HAYES, Commissioner.
d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

THURSDAY, DECEMBER 30, 1909.
Borough of Manhattan.

No. 1. FOR FURNISHING AND DELIVERING ONE 65-FOOT WATER TOWER.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and twenty (120) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

NICHOLAS J. HAYES, Commissioner.
d17.30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK. NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN. THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

TUESDAY, DECEMBER 28, 1909.
Borough of Brooklyn.

No. 1. FOR FURNISHING AND DELIVERING TWENTY-ONE THOUSAND (21,000) FEET OF UNDERGROUND LEAD COVERED CABLE FOR FIRE ALARM TELEGRAPH.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1909.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

NICHOLAS J. HAYES, Commissioner.
Dated December 14, 1909.
d15,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office until 10.30 o'clock a. m. on

TUESDAY, DECEMBER 28, 1909,
Borough of Manhattan.

FOR FURNISHING AND DELIVERING A MANUAL TRANSMITTER FOR THE FIRE ALARM TELEGRAPH BUREAU.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and twenty (120) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of The Bronx.

FOR FURNISHING AND DELIVERING ONE AUTOMOBILE FOR DEPUTY CHIEF.

The time for the delivery of the articles, materials and supplies and the performance of the contract is sixty (60) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of Brooklyn.

FOR FURNISHING AND DELIVERING TWO AUTOMOBILE COMBINATION GASOLENE ENGINE AND HOSE WAGONS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred and twenty (120) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

Borough of Queens.

FOR FURNISHING AND DELIVERING ONE AUTOMOBILE COMBINATION GASOLENE ENGINE AND HOSE WAGON.

The time for the delivery of the articles, materials and supplies and the performance of the contract is one hundred (100) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained at the office of the Fire Department, Nos. 157 and 159 East Sixty-seventh street, Manhattan.

NICHOLAS J. HAYES,
Fire Commissioner.
Dated December 14, 1909.
d15,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, No. 299 BROADWAY, NEW YORK, December 11, 1909.

PUBLIC NOTICE IS HEREBY GIVEN that applications will be received from

MONDAY, NOVEMBER 22, 1909, UNTIL 4 P. M. ON THURSDAY, DECEMBER 30, 1909,

for the position of

INSPECTOR, BOARD OF WATER SUPPLY.

The examination will be held on WEDNESDAY, JANUARY 12, 1910, at 10 a. m.

NO APPLICATIONS RECEIVED AT THIS OFFICE, BY MAIL OR OTHERWISE, AFTER 4 P. M. ON THURSDAY, DECEMBER 30, 1909, WILL BE ACCEPTED.

The subjects and weights of the examination are as follows:

Technical	4
Experience	3
Mathematics	1
Report	2

The percentage required is 75 on the technical paper and 70 on all.

Candidates should be active, energetic men in sound health. They will be required to pass a physical examination. Graduates of technical schools of recognized standing are desired. Assignments will be made from this list to any part of the State, and appointees are expected to live near their work. In some sections of the work living conditions for families are not satisfactory. The examination will be largely on general engineering lines, but the knowledge of candidates in question respecting the construction of works for the storage and distribution of water will also be tested.

The provision of the rules requiring residence in the State of New York is waived so far as applies to this examination; the provision of the rules requiring that each application shall bear the certificates of four residents of The City of New York is also waived.

The salary is $4.50 to $5 per day.

The minimum age is 22 years.

FRANK A. SPENCER, Secretary.
d14,30

MUNICIPAL CIVIL SERVICE COMMISSION, No. 299 BROADWAY, NEW YORK, August 17, 1909.

PUBLIC NOTICE IS HEREBY GIVEN that applications will be received from

MONDAY, AUGUST 23, UNTIL FRIDAY, DECEMBER 31, 1909,

for the position of

PATROLMAN, POLICE DEPARTMENT.

(NO APPLICATIONS RECEIVED BY THE COMMISSION, BY MAIL OR OTHERWISE, AFTER 4 P. M. ON DECEMBER 31 WILL BE ACCEPTED.)

The subjects and weights are as follows:

Physical development and strength	50
Mental test	50

The subjects and weights of the mental test are as follows:

Memory test	2
Government	5
Localities	1
Arithmetic	2

Seventy per cent. will be required on the mental examination.

Seventy per cent. will be required on strength.

Seventy per cent. will be required on physical development.

The minimum height for applicants is 5 feet 8 inches; the minimum weight, 140 pounds; the minimum chest measurement, 33½ inches.

Applications will not be received from persons who are less than twenty-three (23) nor more than thirty (30) years of age.

Applicants will be required to submit with their applications a transcript of the Records of the Bureau of Vital Statistics showing the date of birth, or in lieu thereof, a transcript from the record of the church in which they were baptized, signed by the pastor, under seal.

All foreign-born applicants will be required to submit evidence of citizenship; naturalization papers should be attached to the application.

Applicants will be notified later of the dates of the physical and mental examinations.

Application blanks may be had at No. 299 Broadway, Room 1119.

F. A. SPENCER, Secretary.
a19,d31

MUNICIPAL CIVIL SERVICE COMMISSION, No. 299 BROADWAY, CITY OF NEW YORK.

PUBLIC NOTICE WILL BE GIVEN OF all competitive examinations two weeks in advance of the date upon which the receipt of applications for any scheduled examination will close. Applications will be received for only such examinations as are scheduled. No application will be accepted at the office of the Commission, by *mail or otherwise*, after the closing hour for the receipt of same, set forth in the advertisement.

When an examination is advertised, a person desiring to compete in the same may obtain an application blank upon request made in writing or by personal application at the office of the Commission, Room 1119.

The Commission cannot guarantee that applications mailed in response to written requests will be received in time to permit of their being prepared and filed prior to closing hour.

All notices of examinations will be posted in the office of the Commission, and advertised in the CITY RECORD for two weeks in advance of the date upon which the receipt of applications will close for any stated position.

Public notice will also be given by advertisement in most of the City papers.

Wherever an examination is of a technical character, due notice is given by advertisement in the technical journals appertaining to the particular profession for which the examination is called.

Such notices will be sent to the daily papers as matters of news. The scope of the examination will be stated.

No information will be given by telephone, and the Commission will not be responsible for such if given by employees, either as to date of filing applications or upon other subjects.

Specimen questions of previous examinations may be obtained at Room 1108.

Unless otherwise specifically stated, the minimum age requirement for all positions is 21.

FRANK L. POLK, President;
R. ROSS APPLETON,
ARTHUR J. O'KEEFFE,
Commissioners.

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF EAST TWENTY-SIXTH STREET, NEW YORK.

BOROUGHS OF BROOKLYN AND QUEENS.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

MONDAY, DECEMBER 27, 1909,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE ERECTION AND ENTIRE COMPLETION OF NEW BRADFORD STREET HOSPITAL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is three hundred (300) consecutive working days.

The surety required will be Ninety Thousand Dollars ($90,000).

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire and for a complete job.

Blank forms and further information may be obtained at the office of Helmle & Huberty, Architects, No. 190 Montague street, Borough of Brooklyn, The City of New York, where plans and specifications may be seen.

ROBERT W. HEBBERD, Commissioner.
Dated December 14, 1909.
d14,27

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF EAST TWENTY-SIXTH STREET, NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, DECEMBER 28, 1909,

FOR FURNISHING AND DELIVERING FRESH MEATS, FRESH FISH, FRESH MILK, YEAST, POULTRY AND ICE.

The time for the performance of the contract is during the year 1910.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

Deliveries to be made at the New York City Farm Colony, Borough of Richmond.

The bidder will state the price, per pound, per quart, per ton or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of East Twenty-sixth street, Borough of Manhattan, or at the New York City Farm Colony, Borough of Richmond.

ROBERT W. HEBBERD, Commissioner.
The City of New York, December 14, 1909.

d14,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF EAST TWENTY-SIXTH STREET, NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 2.30 o'clock p. m. on

TUESDAY, DECEMBER 28, 1909,

FOR FURNISHING AND DELIVERING HOSPITAL FURNITURE AND BLANKETS FOR NEUROLOGICAL HOSPITAL, NEW YORK CITY HOME FOR THE AGED AND INFIRM, BLACKWELLS ISLAND.

The time for the performance of the contract is during the year 1910.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per dozen or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the Department, foot of East Twenty-sixth street, Borough of Manhattan.

ROBERT W. HEBBERD, Commissioner.
The City of New York, December 14, 1909.

d14,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

COLLEGE OF THE CITY OF NEW YORK.

THE COLLEGE OF THE CITY OF NEW YORK, ONE HUNDRED AND THIRTY-NINTH STREET AND ST. NICHOLAS TERRACE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Trustees of the College of The City of New York at No. 17 Lexington avenue, until 12 m. on

WEDNESDAY, DECEMBER 29, 1909,

FOR FURNISHING AND DELIVERING MISCELLANEOUS SUPPLIES, AS FOLLOWS: PRINTING, BLANK BOOKS, INDEX CARDS, PAPER, ETC.

The time for delivery of the articles, materials and supplies, and the performance of the contract is on or before December 31, 1910.

The amount of security shall be fifty per centum of the amount of the bid or estimate, except as otherwise provided in the contract. Bids will be received on any or all items per thousand, page, hundred or other unit of measurement by which the bids will be tested. The bids will be compared and the awards made, if made, by items.

A copy of the contract and specifications, bid sheet and envelope in which to inclose the bid may be obtained upon application therefor at the office of the Curator of the College, Room No. 114, Main Building, The College of The City of New York, One Hundred and Thirty-ninth street and St. Nicholas terrace, Borough of Manhattan, The City of New York.

THEO. F. MILLER, Chairman;
JAMES W. HYDE, Secretary;
FREDERICK P. BELLAMY,
JAMES BYRNE,
WM. HENRY CORBITT,
LEE KOHNS,
CHARLES STRAUSS,
EGERTON L. WINTHORP, Jr.,
Board of Trustees and Committee on Buildings.

Dated Borough of Manhattan, December 16, 1909.

d16,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 29, 1909,

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR THE RECONSTRUCTION OF SEWER IN FOURTH STREET, BETWEEN BOND AND HOYT STREETS.

The Engineer's estimate of the quantities is as follows:

20 linear feet of 18-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $3.30	$66 00
550 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $3	1,650 00
6 manholes complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	300 00
29 house drains reconnected complete, including all incidentals and appurtenances; per house drain reconnected, $2.50	72 50
22,000 feet (B. M.) of sheeting and bracing driven in place complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	396 00
1,500 feet (B. M.) of foundation planking laid in place complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	27 00
35 cubic yards of concrete cradle laid in place complete, including extra excavation and all incidentals and appurtenances; per cubic yard, $6	210 00
Total	$2,721 50

The time allowed for the completion of the work and the full performance of the contract will be sixtv (60) working days.

The amount of security required will be Fourteen Hundred Dollars ($1,400).

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR THE RECONSTRUCTION OF SEWER IN ST. MARKS AVENUE, BETWEEN RALPH AND HOWARD AVENUES.

The Engineer's estimate of the quantities is as follows:

700 linear feet of 12-inch pipe sewer, laid in place, complete, including all incidentals and appurtenances; per linear foot, $3.10	$2,170 00
7 manholes, complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $55	385 00
38 house drains, reconnected complete, including all incidentals and appurtenances; per house connection drain reconnected, $2	76 00
1 sewer basin, reconnected complete, including all incidentals and appurtenances; per sewer basin reconnected, $5	5 00
35,000 feet (B. M.) of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	630 00
Total	$3,266 00

The time allowed for the completion of the work and full performance of the contract will be sixty (60) working days.

The amount of security required will be Fifteen Hundred Dollars ($1,500).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR RECONSTRUCTION OF SEWER IN DEAN STREET, BETWEEN HOWARD AND SARATOGA AVENUES.

The Engineer's estimate of the quantities is as follows:

40 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $3	$120 00
695 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.85	1,980 75
8 manholes, complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	400 00
29,400 feet (B. M.) of sheeting and bracing, driven in place complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	529 20
19 house drains, reconnected complete, including all incidentals and appurtenances; per house drain reconnected, $2	38 00
Total	$3,067 95

The time allowed for the completion of the work and the full performance of the contract will be sixty (60) working days.

The amount of security required will be Fifteen Hundred Dollars ($1,500).

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR THE RECONSTRUCTION OF SEWER IN FORREST STREET, BETWEEN BUSHWICK AVENUE AND BREMEN STREET.

The Engineer's preliminary estimate of the quantities is as follows:

320 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $2.60	$832 00
4 manholes repaired and furnished with new iron heads and covers, including all incidentals and appurtenances; per manhole, $25	100 00
9 house connections reconnected, including all incidentals and appurtenances; per connection, $3	27 00
15,000 feet (B. M.) of sheeting and bracing, driven in place, complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	270 00
Total	$1,229 00

The time allowed for the completion of the work and full performance of the contract will be forty (40) working days.

The amount of security required will be Six Hundred Dollars ($600).

No. 5. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR THE RECONSTRUCTION OF SEWER IN BAINBRIDGE STREET, BETWEEN SARATOGA AVENUE AND HOPKINSON AVENUE.

The Engineer's estimate of the quantities is as follows:

40 linear feet of 15-inch pipe sewer, laid in place, complete, including all incidentals and appurtenances; per linear foot, $3	$120 00
675 linear feet of 12-inch pipe sewer, laid in place, complete, including all incidentals and appurtenances; per linear foot, $2.80	1,890 00
7 manholes, complete, with iron heads and covers, including all incidentals and appurtenances; per manhole, $50	350 00
52 house drains reconnected, complete, including all incidentals and appurtenances; per house drain reconnected, $2	104 00
29,000 feet (B. M.) of sheeting and bracing, driven in place, complete, including all incidentals and appurtenances; per thousand feet (B. M.), $18	522 00
Total	$2,986 00

The time allowed for the completion of the work and the full performance of the contract will be sixty (60) working days.

The amount of security required will be Fifteen Hundred Dollars ($1,500).

No. 6. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR THE RECONSTRUCTION OF SEWER IN BREMEN STREET, FROM FORREST STREET TO NOLL STREET.

The Engineer's preliminary estimate of the quantities is as follows:

233 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances, per linear foot, $2.75	$640 75
3 manholes repaired and furnished with new iron heads and covers, including all incidentals and appurtenances, per manhole, $25	75 00
7 house connections reconnected, including all incidentals and appurtenances, per connection, $3	21 00
12,000 feet (B. M.) of sheeting and bracing, driven in place, complete, including all incidentals and appurtenances, per thousand feet (B. M.), $18	216 00
Total	$952 75

The time allowed for the completion of the work and full performance of the contract will be forty (40) working days.

The amount of security required will be Four Hundred and Fifty Dollars ($450).

No. 7. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER IN FIFTY-SIXTH STREET, BETWEEN SIXTH AND SEVENTH AVENUES.

The Engineer's estimate of the quantities is as follows:

45 linear feet of 15-inch pipe sewer, laid complete, including all incidentals and appurtenances, per linear foot, $1.80	$81 00
683 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances, per linear foot, $1.60	1,092 80
975 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances, per linear foot, 70 cents	682 50
8 manholes, complete, with iron heads and covers, including all incidentals and appurtenances, per manhole, $50	400 00
Total	$2,256 30

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be One Thousand One Hundred Dollars ($1,100).

No. 8. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT THE SOUTHEAST AND SOUTHWEST CORNERS OF LIVONIA AVENUE AND HOPKINSON AVENUE.

The Engineer's preliminary estimate of the quantity is as follows:

Two (2) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $165	$330 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be One Hundred and Fifty Dollars ($150).

The foregoing Engineer's preliminary estimate of the total cost for the completed work is to be taken as the 100 per cent. basis and test for bidding. Proposals shall each state a single percentage of such 100 per cent. (such as 95 per cent., 100 per cent. or 105 per cent.), for which all materials and work called for in the proposed contract and the notices to bidders are to be furnished to the City. Such percentage, as bid for this contract, shall apply to all unit items specified in the Engineer's preliminary estimate to an amount necessary to complete the work described in the contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, the Borough of Brooklyn, No. 215 Montague street, Brooklyn.

BIRD S. COLER, President.
Dated December 15, 1909.

d16,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 29, 1909,

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS FOR THE RECONSTRUCTION AND REPAIRS TO MECHANICAL PLANTS AT CAISSONS NO. 2, AT CONEY ISLAND, AND NO. 4, AT SHEEPSHEAD BAY.

The work for which a lump sum price will be named and upon which the comparison of bids will be made is as follows:

For furnishing all the labor and materials and installing complete at Caisson No. 2, Coney Island, one (1) 10-inch centrifugal pump and engine, two (2) one hundred and fifty (150) horse-power steam boilers, two (2) steam feed water pumps for same, one (1) feed water heater and one (1) iron stack, with all piping, foundations and appurtenances.

Also, at Caisson No. 4, Sheepshead Bay, one (1) 10-inch centrifugal pump and engine, with all piping, foundations and appurtenances, together with all necessary alterations, as shown on the plan.

The time allowed for making and completing the work will be one hundred (100) working days.

The amount of security required is Five Thousand Dollars ($5,000).

The bids will be compared and the contract awarded at a lump or aggregate sum to the lowest bidder as soon thereafter as practicable, according to law.

Blank forms and further information may be obtained, and plans and drawings may be seen, at the office of the Bureau of Sewers, the Borough of Brooklyn, No. 215 Montague street.

BIRD S. COLER, President.
Dated December 15, 1909.

d16,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 29, 1909,

No. 1. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF FIFTH AVENUE, BETWEEN ATLANTIC AVENUE AND UNION STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

- 5,030 square yards of asphalt pavement, outside of railroad area (five years' maintenance).
- 1,195 square yards of asphalt pavement within railroad area (no maintenance).
- 30 square yards of old stone pavement, to be relaid.
- 700 cubic yards of concrete for pavement foundation outside of railroad area.
- 165 cubic yards of concrete for pavement foundation within railroad area.
- 4,550 linear feet of new curbstone, set in concrete.
- 200 linear feet of old curbstone, reset in concrete.
- 8 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is forty (40) working days.

The amount of security required is Fifty-one Hundred Dollars ($5,100).

No. 2. FOR REGULATING AND REPAVING WITH GRANITE PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF FIFTH AVENUE, FROM UNION STREET TO PROSPECT AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

- 13,335 square yards of granite pavement, with tar and gravel joints, outside of railroad area (one year maintenance).
- 2,315 square yards of granite pavement, with tar and gravel joints, within the railroad area (no maintenance).
- 85 square yards of old stone pavement, to be relaid.
- 2,280 cubic yards of concrete for pavement foundation outside of railroad area.
- 395 cubic yards of concrete for pavement foundation within the railroad area.
- 8,750 linear feet of new curbstone, set in concrete.
- 500 linear feet of old curbstone, reset in concrete.
- 3,024 square feet of new granite bridge stones outside railroad area.
- 530 square feet of new granite bridge stones within railroad area.
- 180 square feet of old bridgestones relaid.

The time allowed for the completion of the work and the full performance of the contract is ninety (90) working days.

The amount of security required is Twenty-one Thousand Dollars ($21.000).

No. 3. FOR CONSTRUCTING CEMENT SIDEWALKS ON THE WEST SIDE OF VARICK AVENUE, BETWEEN GRATTAN STREET AND JOHNSON AVENUE, AND VARIOUS OTHER STREETS IN THE BOROUGH OF BROOKLYN.

The Engineer's estimate of the quantity is as follows:

- 4,000 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is Two Hundred Dollars ($200).

No. 4. FOR FENCING VACANT LOTS ON THE EAST SIDE OF BARBEY STREET, BETWEEN BELMONT AND PITKIN AVENUES, AND VARIOUS OTHER STREETS IN THE BOROUGH OF BROOKLYN.

The Engineer's estimate of the quantity is as follows:

- 2,035 linear feet of wooden rail fence, six feet high.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is Three Hundred Dollars ($300).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, square foot, square yard, cubic yard, or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Highways, the Borough of Brooklyn, No. 12 Municipal Building, Brooklyn.

BIRD S. COLER, President.
Dated December 13, 1909.

d14,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 22, 1909.

No. 1. FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASIN AND APPUR-

TENANCES AT NORTHERLY CORNER OF FORTY-FOURTH STREET AND NINTH AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

One (1) sewer basin, complete, of either standard design, with iron pan or grating, iron basin hood and connecting culvert, including all incidentals and appurtenances; per basin..... $150 00

The time allowed for the completion of the work and full performance of the contract will be ten (10) working days.

The amount of security required will be Eighty Dollars ($80).

No. 2. FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS AT NORTHEAST AND NORTHWEST CORNERS OF EAST SECOND STREET AND FORT HAMILTON AVENUE.

The Engineer's preliminary estimate of the quantities is as follows:

Two (2) sewer basins, complete, of either standard design, with iron pans or grating, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $130..... $260 00

The time allowed for the completion of the work and full performance of the contract will be fifteen (15) working days.

The amount of security required will be One Hundred and Thirty Dollars ($130).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER BASINS, ONE ON THE NORTH SIDE OF METZ STREET, 145 FEET EAST OF THE INTERSECTION OF THE NORTH SIDE OF METZ STREET AND THE EAST LINE OF CLINTON AVENUE, AND ONE DIRECTLY OPPOSITE THIS ON THE SOUTH SIDE OF METZ STREET, AND RECONSTRUCTION OF SEWER BASINS ON THE SOUTHEAST CORNER OF APPLE STREET AND METZ STREET, AND ON CLINTON AVENUE, AT THE SOUTHEAST CORNER OF PEACH STREET, AND AT THE SOUTHEAST CORNER OF PEAR STREET.

The Engineer's estimate of the quantities is as follows:

Five (5) sewer basins, complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $140..... $700 00

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be Three Hundred and Fifty Dollars ($350).

No. 4. FOR FURNISHING ALL THE LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING SEWER IN SEVENTY-FOURTH STREET, BETWEEN ELEVENTH AND TWELFTH AVENUES.

The Engineer's estimate of the quantities is as follows:

745 linear feet of 12-inch pipe sewer, laid complete, including all incidentals and appurtenances; per linear foot, $1.60..... $1,192 00

775 linear feet of 6-inch house connection drain, laid complete, including all incidentals and appurtenances; per linear foot, 70 cents 542 50

7 manholes complete with iron heads and covers, including all incidentals and appurtenances; per manhole, $50..... 350 00

2 sewer basins complete, of either standard design, with iron pans or gratings, iron basin hoods and connecting culverts, including all incidentals and appurtenances; per basin, $130.... 260 00

Total..... $2,344 50

The time allowed for the completion of the work and full performance of the contract will be thirty (30) working days.

The amount of security required will be One Thousand Two Hundred Dollars ($1,200).

The foregoing Engineer's preliminary estimate of the total cost for the completed work is to be taken as the 100 per cent. basis and test for bidding. Proposals shall each state a single percentage of such 100 per cent. (such as 95 per cent., 100 per cent. or 105 per cent.) for which all materials and work called for in the proposed contracts and the notices to bidders are to be furnished to the City. Such percentage, as bid for each contract, shall apply to all unit items specified in the Engineer's preliminary estimate to an amount necessary to complete the work described in the contracts.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, the Borough of Brooklyn, No. 215 Montague street, Brooklyn.

BIRD S. COLER, President.

Dated December 9, 1909.

d10,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 2, BOROUGH HALL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 22, 1909.

Borough of Brooklyn.

No. 1. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF PROSPECT PLACE, FROM FLATBUSH AVENUE TO CARLTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,240 square yards of asphalt pavement (five years' maintenance).
170 cubic yards of concrete, for pavement foundation.
600 linear feet of new curbstone, set in concrete.
50 linear feet of old curbstone, reset in concrete.
2 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is fifteen (15) working days.

The amount of security required is Nine Hundred Dollars ($900).

No. 2. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF RYERSON STREET, FROM FLUSHING AVENUE TO MYRTLE AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

4,690 square yards of asphalt pavement (five years' maintenance).
30 square yards of old stone pavement, to be relaid.
650 cubic yards of concrete, for pavement foundation.
2,320 linear feet of new curbstone, set in concrete.
240 linear feet of old curbstone, reset in concrete.
14 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is Thirty-six Hundred Dollars ($3,600).

No. 3. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF VANDERBILT STREET, FROM PROSPECT AVENUE TO EIGHTEENTH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

950 square yards of asphalt pavement (five years' maintenance).
15 square yards of old stone pavement, to be relaid.
135 cubic yards of concrete, for pavement foundation.
375 linear feet of new curbstone, set in concrete.
40 linear feet of old curbstone, reset in concrete.
2 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is fifteen (15) working days.

The amount of security required is Seven Hundred Dollars ($700).

No. 4. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF ATLANTIC AVENUE, FROM FLATBUSH AVENUE TO SIXTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

4,180 square yards of asphalt pavement, outside of railroad area (five years' maintenance).
460 square yards of asphalt pavement, within railroad area (no maintenance).
30 square yards of old stone pavement, to be relaid.
630 cubic yards of concrete, for pavement foundation, outside of railroad area.
75 cubic yards of concrete, for pavement foundation, within railroad area.
1,160 linear feet of new curbstone, set in concrete.
290 linear feet of old curbstone, reset in concrete.
3 noiseless heads and covers for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is Thirty-one Hundred Dollars ($3,100).

NO. 5. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF BEDFORD AVENUE, FROM SOUTH SECOND STREET TO SOUTH FOURTH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,050 square yards of asphalt pavement outside of railroad area (five years' maintenance).
250 square yards of asphalt pavement within railroad area (no maintenance).
10 square yards of old stone pavement to be relaid.
145 cubic yards of concrete, for pavement foundation, outside of railroad area.
35 cubic yards of concrete, for pavement foundation, within railroad area.
1,000 linear feet of new curbstone, set in concrete.
20 linear feet of old curbstone, reset in concrete.
1 noiseless cover and head for sewer manhole.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is eleven hundred dollars ($1,100).

NO. 6. FOR REGULATING AND REPAVING WITH GRANITE PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF FIFTH AVENUE, FROM ATLANTIC AVENUE TO PROSPECT AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

18,240 square yards of granite pavement with tar and gravel joints, laid outside of railroad area (one year's maintenance).
3,480 square yards of granite pavement with tar and gravel joints, laid within the railroad area (no maintenance).
115 square yards of old stone pavement to be relaid.
3,140 cubic yards of concrete for pavement foundation laid outside of railroad area.
595 cubic yards of concrete for pavement foundation laid within the railroad area.
13,440 linear feet of new curbstone set in concrete.
700 linear feet of old curbstone reset in concrete.
4,550 square feet of new granite bridgestones laid outside the railroad area.
770 square feet of new granite bridgestones laid within the railroad area.
200 square feet of old bridgestones relaid.

The time allowed for the completion of the work and the full performance of the contract is one hundred (100) working days.

The amount of security required is Thirty Thousand Dollars ($30,000).

NO. 7. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF MILL STREET, FROM CLINTON STREET TO HAMILTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

650 square yards of asphalt pavement (five years' maintenance).
20 square yards of old stone pavement to be relaid.
90 cubic yards of concrete for pavement foundation.
425 linear feet of new curbstone set in concrete.
50 linear feet of old curbstone reset in concrete.
3 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contrac is fifteen (15) working days.

The amount of security required is Six Hundred Dollars ($600).

NO. 8. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF ST. NICHOLAS AVENUE, FROM DEKALB AVENUE TO HIMROD STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,960 square yards of asphalt pavement (five years' maintenance).
40 square yards of old stone pavement to be relaid.
415 cubic yards of concrete for pavement foundation.
1,250 linear feet of new curbstone set in concrete.
140 linear feet of old curbstone reset in concrete.
4 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract is twenty-five (25) working days.

The amount of security required is Twenty-two Hundred Dollars ($2,200).

NO. 9. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF WARREN STREET, FROM HICKS STREET TO CLINTON STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,470 square yards of asphalt pavement (five years' maintenance).
10 square yards of old stone pavement to be relaid.
345 cubic yards of concrete for pavement foundation.
1,750 linear feet of new curbstone set in concrete.
100 linear feet of old curbstone reset in concrete.

The time allowed for the completion of the work and the full performance of the contract is twenty-five (25) working days.

The amount of security required is Two Thousand Dollars ($2,000).

No. 10. FOR CURBING, GUTTERING AND LAYING SIDEWALKS ON FIFTEENTH AVENUE FROM SEVENTY-FIFTH STREET TO SEVENTY-NINTH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

470 square yards of brick gutters on a concrete foundation.
2,090 linear feet of new curbstone set in concrete.
160 cubic yards of concrete, not to be bid for.
8,100 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is Fifteen Hundred Dollars ($1,500).

No. 11. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON FORTY-FIRST STREET FROM THIRTEENTH AVENUE TO FOURTEENTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

390 cubic yards of earth excavation.
90 cubic yards of earth filling, not to be bid for.
1,470 linear feet of cement curb.
3,810 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is Five Hundred Dollars ($500).

No. 12. FOR REGULATING AND GRADING FIFTY-SIXTH STREET FROM THE OLD CITY LINE TO FORT HAMILTON AVENUE AND CURBING AND LAYING SIDEWALKS FROM SEVENTH AVENUE TO FORT HAMILTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

4,550 linear feet of new curbstone set in concrete.
9,310 cubic yards of earth excavation.
4,080 cubic yards of earth filling, not to be bid for.
246 cubic yards of concrete, not to be bid for.
22,500 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is seventy (70) working days.

The amount of security required is Four Thouaand Dollars ($4,000).

No. 13. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON NEW YORK AVENUE FROM CHURCH AVENUE TO SNYDER AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

40 cubic yards of earth excavation.
560 cubic yards of earth filling, to be furnished.
975 linear feet of cement curb.
4,785 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is twenty-five (25) working days.

The amount of security is Six Hundred Dollars ($600).

No. 14. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON NINETY-FOURTH STREET FROM FOURTH AVENUE TO FORT HAMILTON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,240 linear feet of new curbstone set in concrete.
20 linear feet of old curbstone reset in concrete.
1,250 cubic yards of earth excavation.
1,060 cubic yards of earth filling, to be furnished.
70 cubic yards of concrete, not to be bid for.
6,020 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is forty (40) working days.

The amount of security required is One Thousand Dollars ($1,000).

No. 15. FOR CURBING AND LAYING SIDEWALKS, WHERE NOT ALREADY LAID, ON OCEAN AVENUE, FROM AVENUE H TO AVENUE I, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

200 cubic yards of earth filling, not to be bid for.
1,470 linear feet of cement curb.
1,800 square feet of old flagstones relaid.
4,400 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is Five Hundred Dollars ($500).

No. 16. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON PARK PLACE, FROM TROY AVENUE TO SCHENECTADY AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,450 linear feet of new curbstone set in concrete.
10 linear feet of old curbstone reset in concrete.
496 cubic yards of earth excavation.
80 cubic yards of concrete, not to be bid for.
2,310 square feet of cement sidewalk.

The time allowed for the completion of the work and the full performance of the contract is twenty-five (25) working days.

The amount of security required is Seven Hundred Dollars ($700).

No. 17. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF PARK PLACE, FROM TROY AVENUE TO SCHENECTADY AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

2,743 square yards of asphalt pavement (5 years' maintenance).
381 cubic yards of concrete for pavement foundation.

The time allowed for the completion of the work and the full performance of the contract is twenty-five (25) working days.

The amount of security required is Fifteen Hundred Dollars ($1,500).

No. 18. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF THIRTY-NINTH STREET, FROM OLD CITY LINE TO THIRTEENTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

8,703 square yards of asphalt pavement outside of railroad area (5 years' maintenance).
1,438 square yards of asphalt pavement within railroad area (no maintenance).
1,224 cubic yards of concrete for pavement foundation outside of railroad area.
201 cubic yards of concrete for pavement foundation within railroad area.

The time allowed for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is Fifty-seven Hundred Dollars ($5,700).

No. 19. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF WASHINGTON AVENUE, FROM THIRD STREET TO FIRST STREET, AND JOHNSON AVENUE, FROM FIRST STREET TO CONEY ISLAND AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

6,664 square yards of asphalt pavement (5 years' maintenance).
933 cubic yards of concrete for pavement foundation.

The time allowed for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is Thirty-eight Hundred Dollars ($3,800).

No. 20. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF TROY AVENUE, FROM FULTON STREET TO PACIFIC STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,326 square yards of asphalt pavement, outside of railroad area (five years' maintenance).
354 square yards of asphalt pavement, within railroad area (no maintenance).
185 cubic yards of concrete, for pavement foundation, outside railroad area.
49 cubic yards of concrete, for pavement foundation, within railroad area.
1,150 linear feet of new curbstone, set in concrete.
450 linear feet of old curbstone, reset in concrete.
2 noiseless covers and heads for sewer manholes.

The time allowed for the completion of the work and the full performance of the contract will be twenty-five (25) working days.

The amount of security required is Fifteen Hundred Dollars ($1,500).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, cubic yard, square yard or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Highways, No. 14 Municipal Building, the Borough of Brooklyn.

BIRD S. COLER, President.

Dated December 6, 1909.

d8,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF THE BRONX.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF THE BRONX, MUNICIPAL BUILDING, CROTONA PARK, ONE HUNDRED AND SEVENTY-SEVENTH STREET AND THIRD AVENUE.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx at the above office until 11 o'clock a. m. on

WEDNESDAY, DECEMBER 29, 1909.

No. 1. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING THE SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND PLACING FENCES IN BARTHOLDI STREET, FROM WHITE PLAINS ROAD TO BRONXWOOD AVENUE,

The Engineer's estimate of the work is as follows:

2,650 cubic yards of earth excavation.
7,875 cubic yards of rock excavation.
15,300 cubic yards of filling.
3,060 linear feet of new curbstone, furnished and set.
11,650 square feet of new flagging, furnished and laid.
1,910 square feet of new bridgestone for crosswalks, furnished and laid.
325 cubic yards of dry rubble masonry, in retaining walls, culverts and gutters.
50 cubic yards of rubble masonry in mortar.
125 linear feet of vitrified stoneware pipe, 12 inches in diameter.
430 linear feet of vitrified stoneware pipe, 15 inches in diameter.
1,500 linear feet of new guard rail, in place.
3 drainage inlets, Type "A."
7 drainage inlets, Type "B."
5 cubic yards of brick masonry.
1,000 pounds of cast-iron frames and covers for rubble masonry other than Types "A" and "B."

The time allowed for the completion of the work will be one hundred and fifty (150) working days.

The amount of security required will be Ten Thousand Dollars ($10,000).

No. 2. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING THE SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES, DRAINS, WALLS, ETC., AND PLACING FENCES IN EAST TWO HUNDRED AND TWENTY-SECOND STREET, FROM BRONXWOOD AVENUE TO CARPENTER AVENUE.

The Engineer's estimate of the work is as follows:

14,200 cubic yards of earth excavation.
4,000 cubic yards of rock excavation.
12,000 cubic yards of filling.
4,725 linear feet of new curbstone, furnished and set.
18,750 square feet of new flagging, furnished and laid.
1,450 square feet of new bridgestone for crosswalks, furnished and laid.
260 cubic yards of dry rubble masonry in retaining walls, culverts and gutters.
25 cubic yards of rubble masonry in mortar.
200 linear feet of existing 6-inch pipe sewer, to be lowered.
2 drainage inlets, Type "A."
1,150 linear feet of new guard rail, in place.

The time allowed for the completion of the work will be one hundred and fifty (150) working days.

The amount of security required will be Ten Thousand Dollars ($10,000).

No. 3. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING THE SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND PLACING FENCES IN EAST ONE HUNDRED AND EIGHTY-FIFTH STREET, FROM PROSPECT AVENUE TO THE SOUTHERN BOULEVARD.

The Engineer's estimate of the work is as follows:

450 cubic yards of excavation of all kinds.
425 cubic yards of filling.
610 linear feet of new curbstone, furnished and set.
2,550 square feet of new flagging, furnished and laid.
50 cubic yards of dry rubble masonry, in retaining walls, culverts and gutters.
20 linear feet of vitrified stoneware pipe, 12 inches in diameter.
500 linear feet of new guard rail in place.

The time allowed for the completion of the work will be thirty (30) working days.

The amount of security required will be Five Hundred Dollars ($500).

No. 4. FOR REGULATING AND REREGULATING, GRADING AND REGRADING, SETTING AND RESETTING CURBSTONES, FLAGGING AND REFLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES IN EAST ONE HUNDRED AND SIXTY-FIRST STREET, FROM THIRD AVENUE TO BROOK AVENUE.

The Engineer's estimate of the work is as follows:

100 cubic yards of excavation of all kinds.
3,500 cubic yards of filling.
50 linear feet of new curbstone, furnished and set.
270 linear feet of old curbstone, rejointed and reset.
200 square feet of new flagging, furnished and laid.
1,060 square feet of old flagging, rejointed and relaid.
260 square feet of new bridgestone for crosswalks, furnished and laid.
500 cubic yards of dry rubble masonry, in retaining walls, culverts and gutters.
20 linear feet of vitrified stoneware pipe, 12 inches in diameter.
165 linear feet of new guard rail, in place.

The time allowed for the completion of the work will be sixty (60) working days.

The amount of security required will be One Thousand Dollars ($1,000).

No. 5. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING THE SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND PLACING FENCES IN EDEN AVENUE, FROM MORRIS AVENUE AT EAST ONE HUNDRED AND SEVENTY-SECOND STREET TO EAST ONE HUNDRED AND SEVENTY-FOURTH STREET.

The Engineer's estimate of the work is as follows:

2,450 cubic yards of earth excavation.
8,570 cubic yards of rock excavation.
35,000 cubic yards of filling.
3,080 linear feet of new curbstone, furnished and set.
12,150 square feet of new flagging, furnished and laid.
1,810 square feet of new bridgestone for crosswalks, furnished and laid.
1,760 cubic yards of dry rubble masonry, in retaining walls, culverts and gutters.
50 linear feet of vitrified stoneware pipe 12 inches in diameter.
2,750 linear feet of new guard rail in place.

The time allowed for the completion of the work will be two hundred (200) working days.

The amount of security required will be Fifteen Thousand Dollars ($15,000).

No. 6. FOR CONSTRUCTING BRIDGE AND APPROACHES ON JEROME AVENUE, OVER THE MOSHOLU PARKWAY DRIVE.

The Engineer's estimate of the work is as follows:

6,900 cubic yards of excavation.
38,500 cubic yards of filling and backfilling.
5,000 feet (B. M.) of lumber.
450 cubic yards of dry rubble masonry.
1,400 cubic yards of Class "A" concrete.
2,700 cubic yards of Class "B" concrete.
12,000 square feet of water-proofing.
100 linear feet of vitrified stoneware pipe drain, 12 inches in diameter.
3 standard receiving basins, rebuilt.
1,450 square yards of paved gutters.
160,000 pounds of steel reinforcing bars.
2,160 linear feet of new bluestone curb.
100 linear feet of old bluestone curb.
10,350 square feet of cement flagging.
200 square feet of new bluestone flagging.
400 square feet of old bluestone flagging.
850 square feet of new bridgestone.
8,300 square yards of macadam pavement.
350 linear feet of concrete balustrade.
Patent rights to construct the arches according to the designs, plans and specifications.

The time allowed for the completion of the work will be two hundred and fifty (250) consecutive working days.

The amount of security required will be Thirty Thousand Dollars ($30,000).

No. 7. FOR CONSTRUCTING A BRIDGE ACROSS THE BRONX RIVER, CONNECTING BECKER AVENUE, IN THE BRONX, WITH WAKEFIELD AVENUE, IN YONKERS.

The Engineer's estimate of the work is as follows:

1,130 cubic yards of excavation.
4,100 cubic yards of filling and back-filling.
3,000 linear feet of bearing piles.
5,000 feet (B. M.) of lumber.
120 cubic yards of dry rubble masonry.
130 cubic yards of Class "A" concrete.
780 cubic yards of Class "B" concrete.
320 cubic feet of granite coping.
315 linear feet of vitrified stoneware pipe drain, 12 inches in diameter.
110 linear feet of vitrified stoneware pipe drain, 10 inches in diameter.
3 manholes.
4 inlets.
265 square yards of paved gutters.
174,000 pounds of steel and iron (exclusive of railings).
9,000 pounds of steel reinforcing bars.
820 linear feet of new bluestone curb.
3,110 square feet of new bluestone flagging.
350 square feet of new bridgestone.
270 square yards of asphalt pavement.
1,190 square yards of macadam pavement.
220 linear feet of ornamental railing.

The time allowed for the completion of the work will be one hundred and fifty (150) consecutive working days.

The amount of security required will be Ten Thousand Dollars ($10,000).

No. 8. FOR FURNISHING OF LABOR AND MATERIALS REQUIRED FOR THE PLUMBING, SANITARY FIXTURES, DRAINAGE, GAS FITTINGS, WATER-COOLING PLANT, FILTERS, LAUNDRY EQUIPMENT AND KITCHEN EQUIPMENT, ETC., IN THE ERECTION OF THE BRONX BOROUGH COURT HOUSE AT THE PUBLIC SQUARE BOUNDED BY BROOK AVENUE, THIRD AVENUE AND ONE HUNDRED AND SIXTY-FIRST STREET, BOROUGH OF THE BRONX, CITY OF NEW YORK.

The time allowed for the completion of the work will be on or before December 31, 1910.

The amount of security required will be Twenty Thousand Dollars ($20,000).

No. 9. FOR CONSTRUCTING A BRIDGE AND APPROACHES OVER THE BRONX RIVER AT EAST ONE HUNDRED AND EIGHTIETH STREET.

The Engineer's estimate of the work is as follows:

3,300 cubic yards of excavation of all kinds.
8,000 cubic yards of filling and back-filling.
5,000 feet (B. M.) of lumber.
100 cubic yards of dry rubble masonry.
520 cubic yards of broken range ashlar masonry.
675 cubic yards of Class "A" concrete.
1,200 cubic yards of Class "B" concrete.
5,000 square feet of waterproofing.
50 linear feet of vitrified stoneware pipe drain, 12 inches in diameter.
1 standard receiving basin.
780 linear feet of new bluestone curb.
150 linear feet of old bluestone curb.
2,850 square feet of cement flagging.
1,870 square feet of new bluestone flagging.
380 square feet of old bluestone flagging.
2,175 square yards of asphalt block pavement.
240 linear feet of parapet wall, including newels and coping.
50 linear feet of gas pipe railing.
Removing and disposing of the existing bridge and abutments.

The time allowed for the completion of the work will be one hundred and fifty (150) consecutive working days.

The amount of security required will be Fifteen Thousand Dollars ($15,000).

No. 10. FOR REPAVING WITH ASPHALT BLOCKS, ON A CONCRETE FOUNDATION, THE ROADWAY OF WALKER AVENUE (WEST FARMS ROAD), FROM UNIONPORT ROAD TO WESTCHESTER AVENUE.

The Engineer's estimate of the work is as follows:

30,550 square yards of completed asphalt block pavement, and keeping the same in repair for five years from date of acceptance.
6,500 cubic yards of concrete, including mortar bed.
200 linear feet of new curbstone, furnished and set in concrete.
11,400 linear feet of old curbstone, rejointed, recut and reset in concrete.
15,000 square yards of completed asphalt block pavement, not to be kept in repair.

The time allowed for the completion of the work will be one hundred and twenty-five (125) consecutive working days.

The amount of security required will be Forty-five Thousand Dollars ($45,000).

Blank forms can be obtained upon application therefor, and the plans and specifications may be seen and other information obtained at said office.

JOHN F. MURRAY, President.

d17,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

STATE WATER SUPPLY COMMISSION.

In the matter of the application of The City of New York.

PUBLIC NOTICE.

NOTICE IS HEREBY GIVEN THAT, PURsuant to the provisions of chapter 724 of the Laws of 1905 and the acts amendatory thereof and supplemental thereto, and to article 2 of the State Boards and Commissions Law, being chapter 56 of the Laws of 1909, the State Water Supply Commission will meet at the office of the Board of Water Supply, No. 299 Broadway, in the Borough of Manhattan, City of New York, on the 12th day of January, 1910, at 11 o'clock in the forenoon of that day, for the purpose of hearing all persons, municipal corporations or other civil divisions of the State of New York that may be affected by the execution of the modification, or amendment, dated November 15, 1909, of the plans of The City of New York for securing a new and additional supply of water, plans for which modification or amendment have been filed with the New York State Water Supply Commission, at its office, Lyon Block, Albany, N. Y., where the same are open for public inspection; and for the purpose of determining whether said plans are justified by public necessity and whether the same are just and equitable to the other municipalities and civil divisions of the State of New York and to the inhabitants thereof affected thereby, and whether said plans make fair and equitable provisions for the determination and payment of any and all damages to persons and property, both direct and indirect, which will result from the execution thereof.

The execution of such plans, it is alleged, will affect lands situate in the Counties of New York, Kings, Queens and Richmond.

All persons, municipal corporations and other civil divisions of the State of New York who have objection to the execution of said plans, in order to be heard thereon, must file such objections thereto in writing in the office of the State Water Supply Commission in the City of Albany, N. Y., on or before the 11th day of January, 1910. Every objection so filed must particularly specify the grounds thereof.

No person, municipal corporation or local authority can be heard in opposition thereto except on objections so filed.

Dated Albany, N. Y., December 16, 1909.

HENRY H. PERSONS, President;
ERNST J. LEDERLE,
MILO M. ACKER,
JOHN A. SLEICHER,
CHARLES DAVIS,
State Water Supply Commission.

d20,j12

DEPARTMENT OF BRIDGES.

DEPARTMENT OF BRIDGES, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Bridges at the above office until 2 o'clock p. m., on

THURSDAY, DECEMBER 23, 1909,

FOR FURNISHING THE DEPARTMENT OF BRIDGES WITH ANTHRACITE AND BLACKSMITH'S COAL FOR THE USE OF THE BRIDGES OVER THE HARLEM RIVER AND IN THE BOROUGH OF MANHATTAN, DURING THE YEAR 1910.

The time for the delivery of the materials and the performance of the contract will be on or before December 31, 1910.

The amount of security to guarantee the faithful performance of the contract will be Two Thousand Five Hundred Dollars ($2,500).

The right is reserved by the Commissioner to reject all the bids should he deem it to the interest of the City so to do.

Blank forms and specifications may be obtained at the office of the Department of Bridges.

J. W. STEVENSON, Commissioner.

Dated December 9, 1909.

d10,23

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ASSESSORS.

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Queens.

List 154, No. 1. Regulating, grading, curbing, flagging and laying crosswalks on Emma street, from Flushing avenue to William street, Second Ward.

List 429, No. 2. Regulating, grading, curbing, laying sidewalks and crosswalks on Graham avenue, from Steinway avenue to Second avenue, First Ward.

List 636, No. 3. Regulating, grading, curbing, laying sidewalks and crosswalks on Webster avenue, from Vernon avenue to William street, First Ward.

List 691, No. 4. Regulating, grading, curbing and paving Grandview avenue, from Stanhope street to Linden street, Second Ward.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of Emma street, from Flushing avenue to William street, and to the extent of half the block at the intersecting streets and avenues, including Lots Nos. 40, 41, 43, 54 and 121 of Block 20.

No. 2. Both sides of Graham avenue, from Second avenue to Steinway avenue, and to the extent of half the block at the intersecting avenues, including Lots Nos. 20 to 25, inclusive, and Lots Nos. 35 to 38, inclusive, of Block 155.

No. 3. Both sides of Webster avenue, from Vernon avenue to William street, and to the extent of half the block at the intersecting streets, including Lots Nos. 10, 11 and 41 of Block 58, Lot No. 215 of Block 59 and Lot No. 18 of Block 60.

No. 4. Both sides of Grandview avenue, from Stanhope street to Linden street, and to the extent of half the block at the intersecting streets.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, New York, on or before January 25, 1910, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ANTONIO ZUCCA,
PAUL WEIMANN,
JAMES H. KENNEDY,
Board of Assessors.

WILLIAM H. JASPER, Secretary.

No. 320 Broadway, City of New York, Borough of Manhattan, December 22, 1909.

d22,j4

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Brooklyn.

List 518, No. 1. Sewer in Ocean parkway, west side, between Beverley road and Avenue C, and outlet between Avenue C and Ditmas avenue.

List 611, No. 2. Sewer in Etna street, between Force Tube avenue and Hale avenue, and between Norwood avenue and Richmond street; basins on Etna street, at the northeast corner of Euclid avenue; southwest corner of Pine street; northeast, northwest and southwest corners of Hemlock street and at the northwest corner of Elderts lane.

List 621, No. 3. Sewer on the northerly side of Parkside avenue, from St. Pauls place to Ocean avenue; basins on Parkside avenue, north side, opposite St. Pauls place, and Parkside avenue, between St. Pauls place and Ocean avenue.

List 786, No. 4. Laying cement sidewalks on Fifty-second street, between Seventh and Eighth avenues; south side of Forty-sixth street, between Fifth and Sixth avenues, and both sides of Twenty-first avenue, between Eighty-second and Eighty-third streets.

List 792, No. 5. Paving Elmore place (East Twenty-second street), between Farragut road and Avenue G.

List 797, No. 6. Paving Seventy-eighth street, between Third and Fourth avenues.

List 812, No. 7. Basins on the northerly and southerly sides of Albemarle road, on the west side of the Brighton Beach improvement.

List 813, No. 8. Basins on the northwest and southeast corners of Belmont avenue and Miller avenue.

List 814, No. 9. Basin at the southwest corner of Beverley road and Coney Island avenue.

List 815, No. 10. Sewer in Blake avenue, between Georgia and Sheffield avenues.

List 816, No. 11. Sewer in Blake avenue, between Williams and Alabama avenues.

List 821, No. 12. Sewer in East Eighth street, between Johnson street and Church avenue, and outlet sewer in Church avenue, north side, between East Eighth street and Coney Island avenue.

List 827, No. 13. Sewer in Forty-ninth street, between Twelfth and Thirteenth avenues, and between New Utrecht and Twelfth avenues.

List 836, No. 14. Sewer in Second avenue, between Sixtieth and Sixty-fourth streets.

List 876, No. 15. Paving Caton avenue, between Marlborough road (East Fifteenth street) and Parade place.

List 882, No. 16. Paving Eighty-fourth street, between Eleventh and Thirteenth avenues.

List 890, No. 17. Regulating, grading, curbing, paving, laying cement sidewalks on Havens place, between Atlantic avenue and Herkimer street.

List 898, No. 18. Paving Winthrop street, between Rogers and Nostrand avenues.

List 919, No. 19. Paving Sheffield avenue, from Pitkin avenue to Blake avenue.

List 929, No. 20. Sewer in Central avenue, between Moffatt and Chauncey streets.

List 936, No. 21. Paving East Eighth street, between Johnson street and Church avenue.

List 949, No. 22. Paving Midwood street, between Rogers and Nostrand avenues.

List 955, No. 23. Grading lots on the northeast corner of Seventh avenue and Forty-sixth street, and on the north side of Forty-sixth street, about 100 feet from Seventh avenue.

List 960, No. 24. Basins on the northwest corner and southwest corner of Winthrop street and Nostrand avenue.

List 970, No. 25. Paving East Fourth street, between Avenue C and Cortelyou road.

List 975, No. 26. Paving Forty-fourth street, between Sixth and Seventh avenues.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. West side of Ocean parkway, from Beverley road to Ditmas avenue.

No. 2. West side of Elderts lane, from Etna street to Jamaica avenue; both sides of Hemlock street, from Etna street to Jamaica avenue; block bounded by Danforth avenue, Crescent street, Hemlock street and Etna street; north side of Etna street, between Railroad avenue and Euclid avenue, and south side, between Pine street and Euclid avenue; west side of Pine street, between Ridgewood avenue and Etna street; both sides of Etna street, between Richmond street and Norwood avenue, and between Force Tube avenue and Hale avenue, including Lot No. 3, Block 3904.

No. 3. North side of Parkside avenue, between St. Pauls place and Ocean avenue; both sides of Ocean avenue, between Parkside avenue and Washington place; Lot No. 37, Block 5024; Lot No. 13, Block 5040.

No. 4. Both sides of Fifty-second street, between Seventh and Eighth avenues; south side of Forty-sixth street, between Fifth and Sixth avenues; both sides of Twenty-first avenue, from Eighty-second street to Eighty-third street.

No. 5. Both sides of Elmore place, between Farragut road and Avenue G, and to the extent of half the block at the intersection of Avenue G.

No. 6. Both sides of Seventy-eighth street, from Third avenue to Fourth avenue, and to the extent of half the block at the intersecting streets.

No. 7. South side of Albemarle road, between Marlborough road and East Seventeenth street; north side, between East Sixteenth and East Seventeenth streets; east side of East Sixteenth street, from Albemarle road to Church avenue.

No. 8. East side of Miller avenue, between Sutter and Belmont avenues, and west side, from Belmont avenue to Pitkin avenue, and northeast corner of Belmont avenue and Bradford street.

No. 9. West side of Coney Island avenue, from Beverley road to a point about 100 feet southerly.

No. 10. Both sides of Blake avenue, from Georgia avenue to Sheffield avenue.

No. 11. Both sides of Blake avenue, from Williams avenue to Alabama avenue.

No. 12. Both sides of East Eighth street, from Johnson street to Church lane; west side of Coney Island avenue, from Johnson avenue to Church lane; south side of Johnson street; both sides of Montgomery street, and north side of Church lane, from Coney Island avenue to East Seventh street, including Lot No. 60, Block 5330; west side of Coney Island avenue, from Johnson avenue to Ocean parkway.

No. 13. Both sides of Forty-ninth street, from New Utrecht avenue to Thirteenth avenue; west side of Thirteenth avenue, from Forty-ninth street to Fiftieth street.

No. 14. Both sides of Second avenue, from Sixtieth street to Sixty-fourth street; west side of Third avenue, between Sixtieth and Sixty-fourth streets.

No. 15. Both sides of Caton avenue, from Marlborough road to Parade place, and to the extent of half the block at the intersecting and terminating streets.

No. 16. Both sides of Eighty-fourth street, from Eleventh avenue to Thirteenth avenue, and to the extent of half the block at the intersecting avenues.

No. 17. Both sides of Havens place, from Atlantic avenue to Herkimer street, and to the extent of half the block at the intersecting streets.

No. 18. Both sides of Winthrop street, from Rogers avenue to Nostrand avenue, and to the extent of half the block at the intersecting avenues.

No. 19. Both sides of Sheffield avenue, from Sutter avenue to Pitkin avenue, and to the extent of half the block at the intersecting avenues.

No. 20. Both sides of Central avenue, from Moffatt avenue to Chauncey street; southeast side of Moffatt street, between Evergreen and Hamburg avenues.

No. 21. Both sides of East Eighth street, from Johnson street to Church avenue, and to the extent of half the block at the intersecting streets.

No. 22. Both sides of Midwood street, from Rogers avenue to Nostrand avenue, and to the extent of half the block at the intersecting avenues.

No. 23. North side of Forty-sixth street, from Seventh avenue to a point about 140 feet easterly.

No. 24. Both sides of Winthrop street, from Nostrand avenue to Rogers avenue; west side of Nostrand avenue, from Robinson street to Hawthorne street.

No. 25. Both sides of East Fourth street, from Avenue C to Cortelyou road, and to the extent of half the block at the intersecting streets.

No. 26. Both sides of Forty-fourth street, from Sixth avenue to Seventh avenue, and to the extent of half the block at the intersecting avenues.

All persons whose interests are affected by the above named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, New York, on or before January 18, 1910, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ANTONIO ZUCCA,
PAUL WEIMANN,
JAMES H. KENNEDY,
Board of Assessors.

WILLIAM H. JASPER, Secretary.

No. 320 Broadway, City of New York, Borough of Manhattan, December 16, 1909.

d16,28

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

Borough of Manhattan.

List 703, No. 1. Reregulating and regrading West One Hundred and Forty-seventh street, from a point 252.92 feet west of Broadway to the easterly line of Riverside drive extension, together with a list of awards for damages caused by a change of grade.

Borough of The Bronx.

List 316, No. 2. Regulating, grading, curbing, flagging, laying crosswalks, building approaches and erecting fences in Kingsbridge terrace, from Kingsbridge road to Boston avenue.

List 398, No. 3. Regulating, grading, curbing, flagging, laying crosswalks, building approaches and erecting fences in Morris Park avenue, from West Farms road to Bear Swamp road, together with a list of awards for damages caused by a change of grade.

List 961, No. 4. Paving with asphalt blocks and curbing Crotona avenue, from East One Hundred and Eighty-seventh street to the Southern boulevard.

List 962, No. 5. Paving with wood blocks Lyman place, from Stebbins avenue to Freeman street; curbing where necessary.

List 964, No. 6. Paving with creo-resinate wood blocks East One Hundred and Sixtieth street, from Forest avenue to Westchester avenue and curbing where necessary.

List 965, No. 7. Fencing the northwest corner of East One Hundred and Eightieth street and Bryant avenue (old West Farms Presbyterian Cemetery).

List 966, No. 8. Repairing sidewalks on the westerly side of Perry avenue, between Woodlawn road and Two Hundred and Fifth street.

List 968, No. 9. Repairing sidewalks on the east side of Webster avenue for a distance of 125 feet, beginning 50 feet south of Anna place and placing guard rail where necessary.

Borough of Queens.

List 64, No. 10. Regulating, grading, curbing and flagging Dutch Kills street, from Jackson avenue to the Long Island Railroad tracks, First Ward, together with a list of awards for damages caused by a change of grade.

List 181, No. 11. Regulating, grading, curbing, flagging and laying crosswalks on Twelfth avenue, from Grand avenue to Vandeventer avenue, First Ward.

List 182, No. 12. Regulating, grading, curbing, flagging and bridging Third avenue, from Broadway to Jamaica avenue, First Ward, together with a list of awards for damages caused by a change of grade.

List 431, No. 13. Regulating, grading, curbing, flagging and laying crosswalks on William street, from Payntar avenue to Wilbus avenue, First Ward.

List 725, No. 14. Regulating, grading, curbing, flagging and laying crosswalks on Fourteenth avenue, from Grand avenue to Vandeventer avenue, First Ward.

List 772, No. 15. Paving with wood block pavement Academy street, from Broadway to Jamaica avenue, First Ward.

List 9478, No. 16. Regulating, grading, curbing, flagging and laying crosswalks, Fourth avenue, from Washington avenue to Graham avenue, First Ward, together with a list of awards for damages caused by a change of grade.

Borough of Richmond.

List 9689, No. 17. Regulating and grading Bertha place, from Eddy street to Thressea place; also Thressea place, from Richmond turnpike to Duncan avenue, Second Ward.

List 9894, No. 18. Regulating and grading Forest avenue, from Brooks avenue to Cherry lane, and paving with macadam pavement, building the necessary bridges, abutment and wing walls and resetting curb and relaying gutters on adjoining streets where affected by new grade.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of One Hundred and Forty-seventh street, from Broadway to Riverside drive extension.

No. 2. Both sides of Kingsbridge terrace, from Kingsbridge road to Boston avenue, and to the extent of half the block at the intersecting streets.

No. 3. Both sides of Morris Park avenue, from Bear Swamp road to West Farms road, and to the extent of half the block at the intersecting streets and avenues.

No. 4. Both sides of Crotona avenue, from One Hundred and Eighty-seventh street to the Southern boulevard, and to the extent of half the block at the intersecting streets.

No. 5. Both sides of Lyman place, from Stebbins avenue to Freeman street, and to the extent of half the block at the intersecting streets.

No. 6. Both sides of One Hundred and Sixtieth street, from Forest avenue to Westchester avenue, and to the extent of half the block at the intersecting streets and avenues.

No. 7. Northwest corner of One Hundred and Eightieth street and Bryant avenue, Lot No. 25, Block 3133.

No. 8. West side of Perry avenue, between Woodlawn road and Two Hundred and Fifth street, Lots Nos. 26 and 27 of Block 3341.

No. 9. East side of Webster avenue, 50 feet south of Anna place, Lot No. 16, Block 2893.

No. 10. Both sides of Dutch Kills street, from Jackson avenue to the Long Island Railroad, and to the extent of half the block at the intersection of Jackson avenue.

No. 11. Both sides of Twelfth avenue, from Grand avenue to Vandeventer avenue, and to the extent of half the block at the intersecting avenues.

No. 12. Both sides of Third avenue, from Broadway to Jamaica avenue, and to the extent of half the block at the intersecting streets, including Lot No. 5 of Block 121.

No. 13. Both sides of William street, from Payntar avenue to Wilbur avenue, and to the extent of half the block at the intersecting avenues.

No. 14. Both sides of Fourteenth avenue, from Grand avenue to Vandeventer avenue, and to the extent of half the block at the intersecting avenues.

No. 15. Both sides of Academy street, from Broadway to Jamaica avenue, and to the extent of half the block at the intersecting streets.

No. 16. Both sides of Fourth avenue (Rapelje street), from Washington avenue to Graham avenue, and to the extent of half the block at the intersecting avenues.

No. 17. Both sides of Bertha place, from Eddy street to Thressea place; both sides of Thressea place, from Richmond turnpike to Duncan avenue, and to the extent of half the block at the intersecting streets.

No. 18. Both sides of Forest avenue, from Brooks avenue to Cherry lane, and to the extent of half the block at the intersecting streets; west side of Bement avenue, between First street and Myrtle avenue; south side of Myrtle avenue, between Bement avenue and Brooks avenue; both sides of Burgher avenue, between Forest avenue and Myrtle avenue; north side of First street, between Broadway and Bement avenue; both sides of Broadway, between Division avenue and Myrtle avenue; both sides of Forest avenue, between Bement avenue and Brooks avenue; north side of Division avenue, between Broadway and Brooks avenue; both sides of Brooks avenue, from Division avenue to Myrtle avenue; both sides of Elizabeth street, from Forest avenue to Myrtle avenue; both sides of Brookside avenue, between Forest avenue and Egbert avenue; both sides of Raymond place, between Egbert avenue and Manor road; both sides of Park avenue and Curtis avenue and Egbert avenue, from Manor road for their entire length; both sides of Egbert avenue, from Manor road to Jewett avenue; both sides of Manor road, between New York avenue and Delafield avenue; both sides of Greenleaf avenue, between Egbert avenue and Delafield avenue; both sides of Dubois avenue, between Egbert avenue and Delafield avenue; both sides of Mundy avenue, between Egbert avenue and Cherry lane; east side of Jewett avenue, between New York avenue and Cherry lane, and both sides of Cherry lane, from Jewett avenue to Manor road.

All persons whose interests are affected by the above-named proposed assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, New York, on or before January 18, 1910, at 11 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ANTONIO ZUCCA,
PAUL WEIMANN,
JAMES H. KENNEDY,
Board of Assessors.

WILLIAM H. JASPER, Secretary.

No. 320 Broadway, City of New York, Borough of Manhattan, December 14, 1909.

d14,24

DEPARTMENT OF DOCKS AND FERRIES.

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

TUESDAY, JANUARY 4, 1910.

CONTRACT NO. 1207.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING CEMENT, SAND AND BROKEN STONE AND FOR FURNISHING, DELIVERING AND PUTTING IN PLACE SMALL COBBLE AND RIP-RAP STONE.

The time for the completion of the work and the full performance of the contract is on or before the expiration of three hundred and sixty-five (365) calendar days.

The amount of security required is as follows:

Class 1—About 20,000 barrels of cement, the sum of Ten Thousand Dollars ($10,000).

Class 2—About 10,000 cubic yards of sand, the sum of Three Thousand Dollars ($3,000).

Class 3—About 15,000 cubic yards of 2-inch broken stone, the sum of Five Thousand Dollars ($5,000).

Class 4—About 25,000 cubic yards of small cobblestone, the sum of Seven Thousand Dollars ($7,000).

Class 5—About 50,000 cubic yards of rip-rap stone, the sum of Eight Thousand Dollars ($8,000).

Class 6—About 3,000 cubic yards of ¾-inch broken stone, the sum of One Thousand Dollars ($1,000).

The bidder shall state a unit price in each class of the contract on which a bid is submitted, namely, a price per barrel in Class 1 and a price per cubic yard in Classes 2, 3, 4, 5 or 6. The bids will be tested by these unit prices, and each class of the contract, if awarded, will be awarded to the bidder whose unit price in that particular class is the lowest and whose bid is regular in all respects. Each class of the contract will be awarded as a separate contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

ALLEN N. SPOONER, Commissioner.

Dated December 20, 1909.

d21,j4

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

JOSEPH P. DAY, AUCTIONEER, WILL sell at public auction, at Pier "A," Battery place, Borough of Manhattan, City of New York,

WEDNESDAY, DECEMBER 29, 1909,

at 12 o'clock noon, for and on account of the Department of Docks and Ferries, the privilege of operating a bootblacking business on the municipal boats of the Staten Island Ferry, and also in the terminals of said ferry, for the period of three years, beginning January 1, 1910.

Said privilege will allow the bootblacks on all parts of the boats and in the terminals of said ferry under such restrictions as the Commissioner of Docks shall make, but in no case will they be permitted to solicit trade. Said privilege shall expire by limitation of time on December 31, 1913, but may be revoked at any time by the Commissioner of Docks for a violation of any of the terms and conditions of the permit.

The purchaser will be required at the time of the sale to pay, in addition to the auctioneer's fees, to the Department of Docks and Ferries twenty-five per cent. (25%) of the amount of the annual rent bid as security for carrying into effect the terms of the sale, which 25 per cent. will be applied to the payment of the rent first accruing under the agreement when executed, or will be forfeited to the Department if the purchaser neglects or refuses to execute the agreement, with good and sufficient surety or sureties, to be approved by the Department within ten days after being notified that the agreement is prepared and ready for execution at the office of the Department of Docks and Ferries, Pier "A," North River, Battery place.

The Department expressly reserves the right to resell the privilege bid off by those failing, refusing or neglecting to comply with these terms and conditions, the parties so failing, refusing or neglecting to be liable to The City of New York for any deficiency resulting from or occasioned by such resale.

The successful bidder for the privilege will be required to pay rent quarterly in advance, in compliance with the terms and provisions of the agreement prepared and adopted by the Department. The sureties, to be approved by the Commissioner of Docks, will be required under the agreement to enter into a bond or obligation jointly and severally with the permittee in the sum of Three Thousand Dollars ($3,000) for the faithful performance of all the covenants and conditions of the agreement.

The purchaser will be required to agree that he will, upon ten (10) days' notice so to do, execute an agreement with sufficient sureties aforesaid, the form of which may be seen and examined upon application at the office of the Department, Pier "A," Battery place.

No person will be received as a permittee who is delinquent on any former contract with this Department or with The City of New York. No bid will be received from any person who is in arrears to this Department or The City of New York upon debt or contract or who is a defaulter as surety or otherwise under any obligation to this Department or to The City of New York.

The auctioneer's fees, twenty-five dollars, must be paid by the purchaser at the time of sale.

Dated New York, December 16, 1909.

ALLEN N. SPOONER, Commissioner.

d17,29

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

THURSDAY, DECEMBER 30, 1909.

Borough of Manhattan.

CONTRACT NO. 1212.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING ABOUT 200,000 CUBIC YARDS ON THE NORTH RIVER, BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of December 31, 1910.

The amount of security required is Ten Thousand Dollars ($10,000).

The bidder shall state a price per cubic yard for dredging and removing the material, as per specifications, by which price the bids will be tested, and awards, if made, will be made to the bidder whose price per cubic yard is the lowest, and whose bid is regular in all respects.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

ALLEN N. SPOONER, Commissioner.

Dated December 16, 1909.

d17,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

WEDNESDAY, DECEMBER 29, 1909,

CONTRACT NO. 1211.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR RECONSTRUCTING THE MUNICIPAL FERRYBOAT "CASTLETON."

The time for the completion of the work and the full performance of the contract is on or before the expiration of ninety (90) calendar days.

The amount of security required is Eighteen Thousand Dollars ($18,000).

The bidder will state a price for furnishing all of the labor and material and for doing all the work called for. The contract is entire and for a complete job, and, if awarded, will be awarded to the bidder whose price is the lowest for doing all of the work and whose bid is regular in all respects.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

ALLEN N. SPOONER, Commissioner of Docks.

Dated December 14, 1909.

d15,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

TUESDAY, DECEMBER 28, 1909.

Borough of Manhattan.

CONTRACT NO. 1199.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REMOVING AND REPAIRING THE EXISTING PIER AND EXTENDING THE PIER AT THE FOOT OF MORTON STREET, NORTH RIVER, IN THE BOROUGH OF MANHATTAN, KNOWN AS PIER NO. 42, NORTH RIVER, AND FOR FURNISHING AND DEPOSITING RIPRAP THEREAT.

The time for the completion of the work and the full performance of the contract is on or before the expiration of one hundred and fifty (150) calendar days.

The amount of security required is Forty-eight Thousand Dollars ($48,000).

The bidders shall state a price for each class and one aggregate price for the whole work described and specified. The contract is entire and for a complete job, and award, if made, will be made to the bidder whose aggregate price for doing all of the work is the lowest and whose bid is regular in all respects.

Work shall be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

ALLEN N. SPOONER, Commissioner of Docks.

Dated December 13, 1909.

d14,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

TUESDAY, DECEMBER 28, 1909.

CONTRACT NO. 1204.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING GRANITE STONE FOR BULKHEAD OR RIVER WALL.

The time for the completion of the work and the full performance of the contract and the amount of security required are as follows:

Class 1—One hundred and twenty (120) calendar days; security, Six Thousand Dollars ($6,000).

Class 2—Sixty (60) calendar days; security, Three Thousand Dollars ($3,000).

Bidders will state a price for furnishing and delivering the granite called for in any class upon which a bid is submitted, and each class of the contract, if awarded, will be awarded to the bidder whose price is the lowest in that particular class and whose bid is regular in all respects. Each class of the contract will be awarded as a separate contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

ALLEN N. SPOONER, Commissioner of Docks.

Dated December 13, 1909.

d14,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF CORRECTION.

DEPARTMENT OF CORRECTION, No. 148 EAST TWENTIETH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

THURSDAY, DECEMBER 30, 1909,

FOR FURNISHING AND DELIVERING WHITE ASH COAL, CORRECTION INSTITUTIONS, DURING THE YEAR 1910.

The time for the delivery of the articles, materials and supplies and the performance of the contract is during the year 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

JOHN J. BARRY, Commissioner.

Dated December 16, 1909.

d18,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF CORRECTION, No. 148 EAST TWENTIETH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

FRIDAY, DECEMBER 24, 1909.

FOR FURNISHING AND DELIVERING MEDICAL AND SURGICAL SUPPLIES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is during the year 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

JOHN J. BARRY, Commissioner.

Dated December 13, 1909.

d14,24

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE DEPARTMENT OF CORRECTION, No. 148 EAST TWENTIETH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m. on

FRIDAY, DECEMBER 24, 1909.

FOR FURNISHING AND DELIVERING ICE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is during the year 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

JOHN J. BARRY, Commissioner.

Dated December 13, 1909.

d14,24

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 4 o'clock p. m. on

MONDAY, JANUARY 3, 1910,
Borough of Brooklyn.

No. 1. FOR FIREPROOF STAIRWAYS, ETC., AT PUBLIC SCHOOLS 3, 45, 90 AND 111, BOROUGH OF BROOKLYN.

Note—In estimating on Public School 45 contractors must submit separate estimates on (a) the iron construction, and (b) the reinforced concrete construction.

The time allowed to complete the whole work on each school will be fifty-five (55) working days, as provided in the contract.

The amount of security required is as follows:

Public School 3	$2,500 00
Public School 45	3,000 00
Public School 90	6,000 00
Public School 111	2,000 00

A separate proposal must be submitted for each school and award will be made thereon.

On No. 1 the bidders must state the price of each item, by which the bids wi l be tested.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, ninth floor, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan, and also at branch office, No. 131 Livingston street, Borough of Brooklyn.

C. B. J. SNYDER.
Superintendent of School Buildings.

Dated December 18, 1909.

d18,j3

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 4 o'clock p. m. on

MONDAY, JANUARY 3, 1910,
Borough of The Bronx.

No. 2. FOR FURNISHING AND ERECTING ONE (1) PORTABLE SCHOOLHOUSE ON THE PREMISES OF PUBLIC SCHOOL 14, EASTERN BOULEVARD, THROGGS NECK, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be fifty (50) working days, as provided in the contract.

The amount of security required is Six Hundred Dollars ($600).

Borough of Manhattan.

No. 3. FOR GLASS TO BE FURNISHED TO VARIOUS SCHOOLS IN THE BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be thirty (30) working days, as provided in the contract.

The amount of security required is One Thousand Five Hundred Dollars ($1,500).

The bid to be submitted must include the entire work on all schools, and award will be made thereon.

On Nos. 2 and 3 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, ninth floor, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan.

C. B. J. SNYDER,
Superintendent of School Buildings.

Dated December 18, 1909.

d18,j3

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 p. m. on

WEDNESDAY, DECEMBER 29, 1909,

FOR FURNISHING AND DELIVERING GAS AND LIMES, OIL CLOTH SIGNS, FOLDING CHAIRS, STATIONERY, ETC., AND RENTAL OF STEREOPTICON OUTFITS, RENTAL OF PIANOS, TRANSFER OF LECTURE MATERIAL, ETC., FOR THE PUBLIC LECTURES, DEPARTMENT OF EDUCATION OF THE CITY OF NEW YORK.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1910.

The amount of the security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. Award will be made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, Borough of Manhattan, southwest corner of Park avenue and Fifty-ninth street.

PATRICK JONES,
Superintendent of School Supplies.

Dated December 17, 1909.

d17,29

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 3 o'clock p. m. on

MONDAY, DECEMBER 27, 1909,
Borough of The Bronx.

No. 1. FOR PUPILS' WATER CLOSETS, URINALS, PRIVATE DRAINS, RELAYING YARD PAVEMENTS, ETC., AT PUBLIC SCHOOL 24, KAPPOCK STREET, SPUYTEN DUYVIL, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be sixtv (60) working days, as provided in the contract.

The amount of security required is Two Thousand Dollars ($2,000).

No. 2. FOR ALTERATIONS AND ADDITIONS TO THE HEATING APPARATUS OF MORRIS HIGH SCHOOL, ON ONE HUNDRED AND SIXTY-SIXTH STREET, BOSTON ROAD AND JACKSON AVENUE, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be sixty (60) working days, as provided in the contract.

The amount of security required is One Thousand Dollars ($1,000).

Borough of Manhattan.

No. 3. FOR THE GENERAL CONSTRUCTION, ETC., OF ADDITIONS TO AND ALTERATIONS IN PUBLIC SCHOOL 132, ON THE WESTERLY SIDE OF WADSWORTH AVENUE, BETWEEN WEST ONE HUNDRED AND EIGHTY-SECOND AND ONE HUNDRED AND EIGHTY-THIRD STREETS, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be two hundred (200) working days, as provided in the contract.

The amount of security required is Sixty Thousand Dollars ($60,000).

On Nos. 1, 2 and 3 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent at Estimating Room, ninth floor, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan.

C. B. J. SNYDER,
Superintendent of School Buildings.

Dated December 15, 1909.

d15,27

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education until 3 o'clock p. m., on

MONDAY, DECEMBER 27, 1909,
Various Boroughs.

No. 4—FOR FURNISHING AND DELIVERING NEW PIANOS FOR VARIOUS SCHOOLS IN THE BOROUGHS OF MANHATTAN, THE BRONX, BROOKLYN, QUEENS AND RICHMOND.

The time allowed to complete the whole work will be one hundred and thirty (130) working days, as provided in the contract.

The amount of security required is One Hundred Dollars ($100) per instrument on each item.

Bids will be considered by the Committee on Buildings only when made by the manufacturers.

Bidders must indicate on the outside of the envelope containing the bids the number of instruments bid for under each item.

Bidders must state in the bid what action is to be supplied.

A separate proposal must be submitted for each item and award will be made thereon.

Important.

Each bid or estimate must be accompanied by a statement showing the average prices obtained by the bidder in the wholesale trade, exclusive of sales to his own retail stores, for the instruments of like grade, size and quality as those he at this time bids for. The average to be compiled from wholesale sales made, as aforesaid, during the three months next prior to the date of the bid.

This statement shall be in the form of an affidavit, executed before a notary public, and made by one of the firm submitting the bid; and shall be certified to by a certified public accountant, who shall certify that the prices quoted are true, without discount or rebate, and in accordance with the foregoing paragraph.

The statement shall be placed in a sealed envelope, which shall be marked "Price List," and shall have on the outside the name of the bidder. This shall be enclosed in the envelope containing the bid at the time that same is submitted to the bid clerk.

The statements which are so submitted are for the information of the Committee on Buildings, and will not under any circumstances be made public without the written consent of the bidder.

Any bid or estimate which is not accompanied by such a statement as is hereinbefore described, will be considered as informal and invalid, and by reason of such failure the said bid or estimate so unaccompanied will be so adjudged and treated.

On No. 4 the bidders must state the price of each item by which the bids will be tested.

Blank forms and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, ninth floor, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan.

C. B. J. SNYDER,
Superintendent of School Buildings.

Dated December 15, 1909.

d15,27

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 p. m. on

FRIDAY, DECEMBER 24, 1909,

FOR FURNISHING AND OPERATING STAGES OR OTHER CONVEYANCES TO CONVEY PUPILS TO AND FROM THE SCHOOLS OF THE CITY OF NEW YORK, IN THE BOROUGHS OF MANHATTAN AND BROOKLYN.

The time for the performance of the contract is prior to December 31, 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder may quote on conveyance other than by stage. If by stage the price per day must be quoted. If by trolley, or other conveyance, the price per pupil per day and the manner in which it is intended to convey the pupils must be stated. If it is intended to convey by special car over a particular route, the price per day must be stated, and such other information must be given as will enable the Committee on Supplies to reach a proper determination.

In the event of a school or schools being closed, the contract shall be terminated as to that school or schools.

Contract will be awarded to the lowest bidder.

The Board of Education reserves the right to award the contract as a whole for the Boroughs of Manhattan and Brooklyn, or award it separately for the Boroughs of Manhattan and Brooklyn, or item by item, if deemed to be for the best interests of the City.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, the Borough of Manhattan, southwest corner of Park avenue and Fifty-ninth street.

Dated December 14, 1909.

PATRICK JONES,
Superintendent of School Supplies.

d14,24

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION, CORNER OF PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the above office of the Department of Education until 3 p. m. on

WEDNESDAY, DECEMBER 22, 1909,

FOR FURNISHING AND DELIVERING SUPPLIES FOR USE IN THE TRUANT SCHOOLS OF THE CITY OF NEW YORK, IN THE BOROUGHS OF MANHATTAN, BROOKLYN AND QUEENS; NEWSBOYS' BADGES, ETC., AND FEED, ETC., FOR HORSES USED BY BROOKLYN TRUANT SCHOOL AND THE NEW YORK PARENTAL SCHOOL.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per item, pound, dozen, gallon, yard or other unit of measure by which the bids will be tested.

Award will be made to the lowest bidder on each item whose sample is equal to those submitted for inspection or referred to in the specifications.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Department of Education, Borough of Manhattan, southwest corner of Park avenue and Fifty-ninth street.

PATRICK JONES,
Superintendent of School Supplies.

Dated December 11, 1909.

d11,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ESTIMATE AND APPORTIONMENT.

Public Notice.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this day, the hearing as fixed for this day by resolution adopted November 12, 1909, on the petition of the South Shore Traction Company for certain modifications and amendments of the contract dated May 20, 1909, granting a franchise to this company to construct, maintain and operate a street surface railway from the Manhattan end of the Queensboro Bridge upon, along and over said bridge and its approaches to the Borough of Queens to the intersection of Central avenue and the boundary line between the Borough of Queens and the County of Nassau, was continued until

THURSDAY, DECEMBER 23, 1909,

at 10.30 o'clock a. m., in Room 16, City Hall, Borough of Manhattan.

JOSEPH HAAG, Secretary.

Dated New York, December 10, 1909.

d13,23

Public Improvement Matters.

PUBLIC NOTICE.

NOTICE IS HEREBY GIVEN THAT AT the meeting of the Board of Estimate and Apportionment held on December 10, 1909, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the lands and premises required for a drainage ditch, or canal, located between Canal Avenue North and Canal Avenue South, and extending from Gravesend Bay to Sheepshead Bay, and between West Tenth street and West Eleventh street, extending from Canal Avenue North to Avenue V, in the Borough of Brooklyn, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the lands required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceeding.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of the Greater New York Charter, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding:

Beginning at a point on a line distant 1,327.4 feet northerly from and parallel with the northerly line of Canal Avenue South where the said line is intersected by a line distant 466.26 feet easterly from and parallel with the easterly line of West Thirty-fifth street, and running thence eastwardly in a straight line to a point on the westerly line of Warehouse avenue where it is intersected by the prolongation of the northwesterly line of Bay Forty-eighth street; thence northeastwardly along the northwesterly line of Bay Forty-eighth street and along the prolongation of the said line to a point distant 100 feet northeasterly from the northeasterly line of Warehouse avenue; thence northwestwardly and parallel with Warehouse avenue to a line midway between Bay Forty-seventh street and Bay Forty-eighth street; thence northeastwardly along the said line midway between Bay Forty-seventh street and Bay Forty-eighth street to a point distant 311 feet southwesterly from the southwesterly line of Harway avenue; thence northwestwardly and parallel with Harway avenue to a point midway between Bay Forty-sixth street and Bay Forty-seventh street; thence northeastwardly along a line always midway between Bay Forty-sixth street and Bay Forty-seventh street to a point distant 511 feet southwesterly from the southwesterly line of Cropsey avenue; thence northwestwardly and parallel with Cropsey avenue to a line midway between Twenty-seventh avenue and Bay Forty-sixth street; thence northeastwardly along the said line midway between Twenty-seventh avenue and Bay Forty-sixth street a distance of 28 feet; thence northwestwardly and parallel with Cropsey avenue to a line midway between Bay Forty-fourth street and Twenty-seventh avenue; thence northeastwardly along the said line midway between Bay Forty-fourth street and Twenty-seventh avenue a distance of 168 feet; thence northwestwardly and parallel with Cropsey avenue to a line midway between Bay Forty-third street and Bay Forty-fourth street; thence northeastwardly along the said line midway between Bay Forty-third street and Bay Forty-fourth street a ditsance of 136 feet; thence northwestwardly and parallel with Cropsey avenue to a line midway between Twenty-sixth avenue and Bay Forty-third street; thence northeastwardly along the said line midway between Twenty-sixth avenue and Bay Forty-third street to a point distant 100 feet southwesterly from the southwesterly line of Cropsey avenue; thence northwestwardly and parallel with Cropsey avenue to the northwesterly line of Bay Forty-first street; thence northeastwardly along the northwesterly line of Bay Forty-first street to a point distant 100 feet northeasterly from the northeasterly line of Cropsey avenue; thence northwestwardly and parallel with Cropsey avenue to a line midway between Bay Fortieth street and Bay Forty-first street; thence northeastwardly along the said line midway between Bay Fortieth street and Bay Forty-first street to a point distant 355 feet southwesterly from the southwesterly line of Bath avenue; thence northwestwardly and parallel with Bath avenue to a line midway between Twenty-fifth avenue and Bay Fortieth street; thence northeastwardly along the said line midway between Twenty-fifth avenue and Bay Fortieth street a distance of 130 feet; thence northwestwardly and parallel with Bath avenue to a line midway between Bay Thirty-eighth street and Twenty-fifth avenue; thence southwestwardly along the said line midway between Bay Thirty-eighth street and Twenty-fifth avenue a distance of 60 feet; thence northwestwardly and parallel with Bath avenue to a line midway between Bay Thirty-seventh street and Bay Thirty-eighth street; thence northeastwardly along the said line midway between Bay Thirty-seventh street and Bay Thirty-eighth street a distance of 150 feet; thence northwestwardly and parallel with Bath avenue to a line midway between Twenty-fourth avenue and Bay Thirty-seventh street; thence northeastwardly along the said line midway between Twenty-fourth avenue and Bay Thirty-seventh street to a point distant 100 feet southwesterly from the southwesterly line of Bath avenue; thence northwestwardly and parallel with Bath avenue to the northwesterly line of Twenty-fourth avenue; thence northeastwardly along the northwesterly line of Twenty-fourth avenue to a point distant 100 feet northeasterly from the northeasterly line of Bath avenue; thence northwestwardly and parallel with Bath avenue to the southeasterly line of Bay Thirty-fifth street; thence southwestwardly along the southeasterly line of Bay Thirty-fifth street to a point distant 100 feet southwesterly from the southwesterly line of Bath avenue; thence northwestwardly and parallel with Bath avenue to a line midway between Bay Thirty-fourth street and Bay Thirty-fifth street; thence southwestwardly along the said line midway between Bay Thirty-fourth street and Bay Thirty-fifth street to the northeasterly line of Cropsey avenue; thence northwestwardly along the northeasterly line of Cropsey avenue to a line midway between Bay Thirty-first street and Bay Thirty-second street; thence northeastwardly along the said line midway between Bay Thirty-first street and Bay Thirty-second street to a point distant 100 feet southwesterly from the southwesterly line of Bath avenue; thence northwestwardly and parallel with Bath avenue to the southeasterly line of Twenty-first avenue; thence northeastwardly along the southeasterly line of Twenty-first avenue to a point distant 100 feet northeasterly from the northeasterly line of Bath avenue; thence southeastwardly and parallel with Bath avenue to a line midway between Twenty-first avenue and Bay Twenty-eighth street; thence northeastwardly along the said line midway between Twenty-first avenue and Bay Twenty-eighth street to a point distant 100 feet southwesterly from the southwesterly line of Benson avenue; thence northwestwardly and parallel with Benson avenue to the southeasterly line of Twenty-first avenue; thence northeastwardly along the southeasterly line of Twenty-first avenue to a point distant 100 feet northeasterly from the northeasterly line of Benson avenue; thence southeastwardly and parallel with Benson avenue to a line midway between Twenty-first avenue and Bay Twenty-eighth street; thence northeastwardly along the said line midway between Twenty-first avenue and Bay Twenty-eighth street to a point distant 100 feet southwesterly from the southwesterly line of Eighty-sixth street; thence northwestwardly and parallel with Eighty-sixth street to the southeasterly line of Twenty-first avenue; thence northeastwardly along the southeasterly line of Twenty-first avenue to the southwesterly line of Eighty-second street; thence southeastwardly along the southwesterly line of Eighty-second street a distance of 276 feet; thence southwestwardly at right angles to Eighty-second street to a line midway between Eighty-second street and Eighty-third street; thence southeastwardly along the said line midway between Eighty-second street and Eighty-third street to a point distant 100 feet northwesterly from the northwesterly line of Twenty-second avenue; thence northeastwardly and parallel with Twenty-second avenue to the southwesterly line of Eighty-second street; thence southeastwardly along the southwesterly line of Eighty-second street to the southeasterly line of Twenty-second avenue; thence northeastwardly along the southeasterly line of Twenty-second avenue to the southwesterly line of Sixty-fifth street; thence southeastwardly along the southwesterly line of Sixty-fifth street to the prolongation of the southeasterly line of Twenty-third avenue; thence northeastwardly along the southeasterly line of Twenty-third avenue, and along the prolongation of the said line, to a line midway between Sixty-second street and Sixty-third street; thence southeastwardly along the said line midway between Sixty-second street and Sixty-third street a distance of 428 feet; thence northeastwardly at right angles to Sixty-second street to a line midway between Sixty-first street and Sixty-second street; thence southeastwardly along the said line midway between Sixty-first street and Sixty-second street to a point distant 100 feet northwesterly from the prolongation of the north-

westerly line of Twenty-fourth avenue; thence northeastwardly and parallel with Twenty-fourth avenue and the prolongation thereof, to the prolongation of the southerly line of Avenue N; thence eastwardly along the southerly line of Avenue N, and along the prolongation of the said line, to the easterly side of Gravesend avenue; thence northwardly along the easterly line of Gravesend avenue to a point distant 100 feet northerly from the northerly line of Avenue N; thence eastwardly and parallel with Avenue N to a line midway between East Fourth street and East Fifth street; thence northwardly along the said line midway between East Fourth street and East Fifth street to a point distant 429 feet southerly from the southerly line of Avenue M; thence eastwardly at right angles to East Fifth street to a line midway between East Fifth street and Ocean parkway; thence northwardly along the said line midway between East Fifth street and Ocean parkway to the southerly line of Avenue M; thence eastwardly along the southerly line of Avenue M to the centre line of Ocean parkway; thence southwardly along the centre line of Ocean parkway to the southerly line of Avenue N; thence eastwardly along the southerly line of Avenue N to a line midway between Ocean parkway and East Seventh street; thence southwardly along the said line midway between Ocean parkway and East Seventh street, a distance of 240 feet; thence eastwardly and parallel with Avenue N to a line midway between East Seventh street and East Eighth street; thence northwardly along the said line midway between East Seventh street and East Eighth street to the southerly line of Avenue N; thence eastwardly along the southerly line of Avenue N to a line midway between East Eighth street and East Ninth street; thence southwardly along the said line midway between East Eighth street and East Ninth street to a point distant 100 feet northerly from the northerly line of Avenue O; thence eastwardly and parallel with Avenue O to the westerly line of East Ninth street; thence southwardly along the westerly line of East Ninth street to the southerly line of Avenue O; thence eastwardly along the southerly line of Avenue O to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue P; thence westwardly and parallel with Avenue P to the easterly line of East Seventeenth street; thence southwardly along the easterly line of East Seventeenth street to a point distant 100 feet southerly from the southerly line of Avenue Q; thence eastwardly and parallel with Avenue Q to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street a distance of 300 feet; thence eastwardly at right angles to East Eighteenth street to the centre line of East Eighteenth street; thence southwardly along the centre line of East Eighteenth street to a point distant 100 feet southerly from the southerly line of Avenue R; thence westwardly and parallel with Avenue R to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue S; thence eastwardly and parallel with Avenue S to the westerly line of East Eighteenth street; thence southwardly along the westerly line of East Eighteenth street to a point distant 100 feet southerly from the southerly line of Avenue S; thence westwardly and parallel with Avenue S to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue T; thence eastwardly and parallel with Avenue T to the westerly line of East Eighteenth street; thence southwardly along the westerly line of East Eighteenth street to a point distant 100 feet southerly from the southerly line of Avenue T; thence westwardly and parallel with Avenue T to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue U; thence westwardly and parallel with Avenue U to the easterly line of East Seventeenth street; thence southwardly along the easterly line of East Seventeenth street to a point distant 100 feet southerly from the southerly line of Avenue U; thence westwardly and parallel with Avenue U to a line midway between East Sixteenth street and East Seventeenth street; thence southwardly along the said line midway between East Sixteenth street and East Seventeenth street a distance of 121 feet; thence westwardly and parallel with Avenue U to a line midway between East Fifteenth street and East Sixteenth street; thence southwardly along the said line midway between East Fifteenth street and East Sixteenth street a distance of 53 feet; thence westwardly and parallel with Avenue U to a line midway between East Fourteenth street and East Fifteenth street; thence southwardly along the said line midway between East Fourteenth street and East Fifteenth street to a point distant 100 feet northerly from the northerly line of Avenue V; thence westwardly and parallel with Avenue V to the easterly line of East Fourteenth street; thence southwardly along the easterly line of East Fourteenth street to a point distant 100 feet southerly from the southerly line of Avenue V; thence eastwardly and parallel with Avenue V to a line midway between East Fourteenth street and East Fifteenth street; thence southwardly along the said line midway between East Fourteenth street and East Fifteenth street to a point distant 100 feet northerly from the northerly line of Avenue W; thence westwardly and parallel with Avenue W to the easterly line of East Fourteenth street; thence southwardly along the easterly line of East Fourteenth street to the southerly line of Avenue W; thence eastwardly along the southerly line of Avenue W to a point distant 20 feet easterly from the easterly line of East Sixteenth street; thence southwardly and parallel with East Sixteenth street a distance of 100 feet; thence eastwardly and parallel with Avenue W to a line midway between East Sixteenth street and East Seventeenth street; thence southwardly along the said line midway between East Sixteenth street and East Seventeenth street to a point distant 100 feet northerly from the northerly line of Avenue X; thence eastwardly and parallel with Avenue X to the westerly line of East Seventeenth street; thence southwardly along the westerly line of East Seventeenth street to the southerly line of Avenue X; thence eastwardly along the southerly line of Avenue X to a point distant 20 feet easterly from the easterly line of East Seventeenth street; thence southwardly and parallel with East Seventeenth street a distance of 100 feet; thence eastwardly and parallel with Avenue X to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue Y; thence eastwardly and parallel with Avenue Y to the westerly line of East Eighteenth street; thence southwardly along the westerly line of East Eighteenth street to a point distant 100 feet southerly from the southerly line of Avenue Y; thence westwardly and parallel with Avenue Y to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street to a point distant 100 feet northerly from the northerly line of Avenue Z; thence eastwardly and parallel with Avenue Z to the westerly line of East Eighteenth street; thence southwardly along the westerly line of East Eighteenth street to a point distant 100 feet southerly from the southerly line of Avenue Z; thence westwardly and parallel with Avenue Z to a line midway between East Seventeenth street and East Eighteenth street; thence southwardly along the said line midway between East Seventeenth street and East Eighteenth street a distance of 41 feet; thence westwardly and parallel with Avenue Z to a line midway between East Sixteenth street and East Seventeenth street; thence southwardly along the said line midway between East Sixteenth street and East Seventeenth street a distance of 100 feet; thence westwardly and parallel with Avenue Z to a line midway between East Fifteenth street and East Sixteenth street; thence southwardly along the said line midway between East Fifteenth street and East Sixteenth street to a point distant 100 feet northerly from the northerly line of Voorhies avenue; thence westwardly and parallel with Voorhies avenue to a point distant 20 feet easterly from the easterly line of East Fifteenth street; thence southwardly and parallel with East Fifteenth street to a point distant 100 feet southerly from the southerly line of Voorhies avenue; thence eastwardly and parallel with Voorhies avenue to a line midway between East Fifteenth street and East Sixteenth street; thence southwardly along the said line midway between East Fifteenth street and East Sixteenth street a distance of 357 feet; thence westwardly at right angles to East Fifteenth street to a line midway between East Fourteenth street and East Fifteenth street; thence southwardly along the said line midway between East Fourteenth street and East Fifteenth street to a point distant 100 feet northerly from the northerly line of Emmons avenue; thence eastwardly and parallel with Emmons avenue to the westerly line of East Fifteenth street; thence southwardly along the westerly line of East Fifteenth street to a point distant 108 feet southerly from the southerly line of Emmons avenue; thence westwardly and parallel with Emmons avenue to the easterly line of Shore boulevard; thence southwardly along the easterly line of Shore boulevard to the southerly boundary line of the land to be acquired for the Coney Island Drainage Canal and as shown upon a map defining the said land; thence westwardly along the southerly boundary line of the said land to be acquired to the prolongation of a line midway between East Thirteenth street and West End avenue as these streets are laid out where they adjoin Mermaid avenue; thence southwardly along the said line midway between East Thirteenth street and West End avenue to a point distant 300 feet southerly from the southerly line of Mermaid avenue; thence westwardly and parallel with Mermaid avenue to the easterly line of Coney Island avenue; thence westwardly in a straight line to a point on the westerly line of Coney Island avenue where it is intersected by the southerly line of Surf avenue; thence westwardly along the southerly line of Surf avenue to the easterly line of Ocean parkway; thence westwardly at right angles to Ocean parkway to a line midway between West First street and Ocean parkway; thence southwardly along the said line midway between West First street and Ocean parkway to a point distant 100 feet northerly from the northerly line of the Concourse; thence westwardly and always distant 100 feet northerly from and parallel with the northerly line of the Concourse to the easterly line of West Third street; thence southwardly along the easterly line of West Third street and along the prolongation of the said line to a point distant 240 feet southerly from the southerly line of the Concourse; thence westwardly at right angles to West Third street a distance of 200 feet; thence southwardly in a straight line to a point on a line always distant 100 feet southerly from and parallel with the southerly line of Surf avenue distant 200 feet easterly from the easterly line of West Fifth street; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Surf avenue to the prolongation of a line midway between West Seventeenth street and West Nineteenth street; thence northwardly along the said line midway between West Seventeenth street and West Nineteenth street, and along the prolongation thereof, to a line passing through a point on the centre line of West Seventeenth street midway between Mermaid avenue and Surf avenue and a point on the centre line of West Nineteenth street midway between Mermaid avenue and Surf avenue; thence westwardly along a broken line consisting of a succession of straight lines intersecting respectively the centre lines of each of the streets between West Seventeenth street and West Thirty-seventh street at points on the said centre lines which are midway between their respective intersections with the southerly line of Mermaid avenue and the northerly line of Surf avenue to the centre line of West Thirty-seventh street; thence northwardly along the centre line of West Thirty-seventh street to a point distant 750 feet northerly from the northerly line of Canal Avenue South; thence eastwardly and parallel with Canal Avenue South to a line distant 157.16 feet easterly from and parallel with the easterly line of West Thirty-fifth street; thence northwardly in a straight line to the point or place of beginning.

(Whenever in the above described area the position of a point or a line is defined as being a certain distance from a given line, it is intended that the said distance shall be measured along a course at right angles to the latter line.)

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on the 23d day of December, 1909, at 10.30 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 23d day of December, 1909.

Dated December 11, 1909.

JOSEPH HAAG, Secretary.
No. 277 Broadway, Room 1406.

Telephone, 2280 Worth.

d11,22

Franchise Matters.

PUBLIC NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment held this day, the following proceedings were had:

Whereas, The East River Terminal Railroad has under date of October 13, 1909, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate railroad tracks by locomotive steam power upon Wythe avenue, Kent avenue and North Fifth, North Sixth, North Seventh, North Eighth and North Ninth streets, in the Borough of Brooklyn; and

Whereas, Section 92 of the Railroad Law, and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on October 22, 1909, fixing the date for public hearing thereon as November 19, 1909, at which citizens were entitled to appear and be heard, and publication was had for at least fourteen (14) days in the "Brooklyn Citizen" and the "Standard Union," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the East River Terminal Railroad and the adequacy of the compensation proposed to be paid therefor; now therefore it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the East River Terminal Railroad containing the form of proposed contract for the grant of such franchise or right be hereby introduced and entered in the minutes of this Board as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the East River Terminal Railroad the franchise or right fully set out and described in the following form of proposed contract for the grant thereof embodying all the terms and conditions including the provisions as to rates, fares and charges upon and subject to the terms and conditions in said proposed form of contract contained and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made this day of , 19 , by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the East River Terminal Railroad (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate railroad tracks either at the grade of the surface of the streets and avenues or above or below the grade thereof, as shall be determined by the Public Service Commission for the First District of the State of New York, pursuant to law, for the purpose of conveying goods, wares and merchandise only, in the Borough of Brooklyn, City of New York, as follows:

(a) One track in the centre of North Fifth street, beginning at a point about three hundred and forty (340) feet westerly from the westerly side line of Kent avenue; running thence easterly to a point distant about fourteen (14) feet westerly from the westerly side line of Kent avenue, together with a spur track beginning at a point on the first mentioned track about two hundred and forty (240) feet westerly from the westerly side line of Kent avenue, and running thence northwesterly across the northerly side of North Fifth street to a point distant about three hundred and seventeen (317) feet westerly from the westerly side line of Kent avenue.

(b) One track on the northerly side of North Fifth street, beginning at a point on the northerly side line of said street about three hundred and eleven (311) feet westerly from the westerly side line of Kent avenue; running thence easterly along the northerly side of North Fifth street to the westerly side of Kent avenue; thence crossing Kent avenue to the easterly side thereof, and continuing along the northerly side of North Fifth street to the westerly side line of Wythe avenue, together with the following spur tracks:

(1) One spur track beginning at a point about forty (40) feet westerly from the westerly side line of Kent avenue; and running thence northwesterly across North Fifth street to the northerly side line of said North Fifth street at a point about ninety-seven (97) feet westerly from the westerly side line of Kent avenue.

(2) One spur track beginning just easterly of the easterly side line of Kent avenue, thence running southerly across North Fifth street to a point on the southerly side line thereof, distant about one hundred and three (103) feet easterly from the easterly side line of Kent avenue.

(3) One spur track beginning just easterly of the easterly side of Kent avenue; thence crossing North Fifth street to the southerly side thereof, and continuing along said southerly side between the curb and building lines of said street to the westerly side line of Wythe avenue.

(c) One track on the northerly side of North Fifth street, beginning at a point about sixty (60) feet westerly from the westerly side line of Wythe avenue; running thence easterly across the northerly side of North Fifth street to the westerly side of Wythe avenue; thence crossing Wythe avenue in an easterly direction to the easterly side line thereof at a point about twelve (12) feet northerly from the northerly side line of North Fifth street.

(d) Four tracks beginning at the westerly side line of Wythe avenue; thence crossing Wythe avenue to the easterly side line thereof, all of such tracks to be situated in that portion of Wythe avenue between the northerly side line of North Fifth street and a line parallel thereto and distant approximately fifty (50) feet northerly therefrom.

(e) Two tracks beginning at the westerly side line of Kent avenue, thence crossing Kent avenue to the easterly side line thereof, both of said tracks to be situated in that portion of Kent avenue included between the northerly side line of North Fifth street and a line parallel with and distant about thirty-five (35) feet northerly therefrom.

(f) One track on the southerly side of North Sixth street, beginning at the bulkhead line on the easterly side of the East River; running thence southeasterly along the southerly side of North Sixth street to a point on the southerly side line of North Sixth street, distant about four hundred and fifty-two (452) feet westerly from the westerly side line of Kent avenue, together with a spur track on the southerly side of North Sixth street beginning at the bulkhead line and running thence southeasterly to a point on the southerly side line of North Sixth street distant about five hundred and sixty-one (561) feet westerly from the westerly side line of Kent avenue.

(g) One track on the northerly side of North Sixth street, beginning at the bulkhead line on the easterly side of the East River; running thence easterly along the northerly side of North Sixth street to a point thereon about forty (40) feet westerly from the westerly side line of Kent avenue.

(h) Two tracks beginning at the southerly side line of North Seventh street; thence crossing North Seventh street to the northerly side line thereof, both of said tracks to be situated in that portion of North Seventh street included between a line parallel with and distant about five hundred and fifty-four (554) feet westerly from the westerly side line of Kent avenue and a line parallel with and distant about five hundred and eighty-five (585) feet westerly from the westerly side line of Kent avenue.

(i) One track beginning at a point on the northerly side line of North Seventh street about five hundred and fifty-five (555) feet westerly from the westerly side line of Kent avenue; thence curving southerly and easterly across North Seventh street to the southerly side thereof; thence easterly along said southerly side of North Seventh street to a point about thirteen (13) feet westerly from the westerly side line of Kent avenue.

(j) One track on the northerly side of North Eighth street beginning at a point on the northerly side line of said street distant about five hundred and seventy-seven (577) feet westerly from the westerly side line of Kent avenue; running thence southeasterly along the northerly side of North Eighth street to a point about one hundred and eighty (180) feet westerly from the westerly side line of Kent avenue.

(k) One track beginning at a point on the southerly side line of North Eighth street distant about five hundred and fifty-two (552) feet westerly from the westerly side line of Kent avenue; running thence northwesterly across North Eighth street to the northerly side line thereof at a point distant about six hundred and thirty-three (633) feet westerly from the westerly side line of Kent avenue.

(l) One track beginning at a point on the southerly side line of North Eighth street distant about five hundred and ninety-six (596) feet westerly from the westerly side line of Kent avenue; running thence northwesterly across North Eighth street to the northerly side line thereof at a point distant about six hundred and thirty-three (633) feet westerly from the westerly side line of Kent avenue.

(m) Two tracks beginning at the northerly side line of North Eighth street; thence crossing North Eighth street to the southerly side line thereof, both of said tracks to be situated in that portion of North Eighth street included between a line parallel with and distant about six hundred and thirty-three (633) feet westerly from the westerly side line of Kent avenue and a line parallel with and distant about six hundred and seventy-one (671) feet westerly from the westerly side line of Kent avenue.

(n) One track beginning on the northerly side line of North Ninth street at a point distant about six hundred and seventy-six (676) feet westerly from the westerly side line of Kent avenue; thence curving southwesterly across North Ninth street to the southerly side line thereof at a point distant about six hundred and ninety-six (696) feet westerly from the westerly side line of Kent avenue.

(o) One track on North Ninth street beginning at a point in the centre thereof about one hundred and thirty-seven (137) feet westerly from the westerly side line of Kent avenue; running thence westerly to the bulkhead line on the easterly side of the East River, together with the following spur tracks:

(1) One spur track beginning at a point in the centre of North Ninth street distant about six hundred and seventy-six (676) feet westerly from the westerly side line of Kent avenue; running thence easterly to a point on the northerly side of North Ninth street distant about five hundred and eighty-seven (587) feet westerly from the westerly side line of Kent avenue.

(2) One spur track beginning at a point in the centre of North Ninth street distant about four hundred and sixteen (416) feet westerly from the westerly side line of Kent avenue; running thence northwesterly to the northerly side line of North Ninth street at a point about five hundred and sixteen (516) feet westerly from the westerly side line of Kent avenue, together with a branch beginning at a point distant about four hundred and sixty (460) feet westerly from the westerly side line of Kent avenue; running thence northwesterly to the northerly side line of North Ninth street at a point distant about five hundred and eighty-seven (587) feet westerly from the westerly side line of Kent avenue, and a branch to the last above described branch beginning at a point in North Ninth street distant about five hundred and fifty (550) feet westerly from the westerly side line of Kent avenue; running thence northwesterly to the northerly side line of North Ninth street at a point distant about six hundred and forty-seven (647) feet westerly from the westerly side line of Kent avenue.

(p) One track on a trestle beginning at the bulkhead at the easterly side of the East River, running thence southeasterly across North Ninth street to the southerly side line thereof at a point distant about six hundred and thirty-six (636) feet westerly from the westerly side line of Kent avenue, together with two spur tracks each beginning at a point on the above mentioned track distant about six hundred and seventy-six (676) feet westerly from the westerly side line of Kent avenue, and both running thence southeasterly about forty (40) feet to a point on the southerly side line of North Ninth street, all of said tracks being elevated about twenty-two (22) feet above the grade of the street.

Said tracks hereby authorized are shown upon a map entitled:

"Map showing proposed railroad of the East River Terminal Railroad, in the Borough of Brooklyn, City of New York, to accompany petition, dated October 13, 1909, to the Board of Estimate and Apportionment."

—and signed by the East River Terminal Railroad, H. O. Havemeyer, treasurer, a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed. Provided that deviations therefrom which are consistent with the foregoing description, and the other provisions of this contract, may be permitted by resolution of the Board.

Sec. 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railroad shall be obtained by the Company within one (1) month from the signing of this contract by the Mayor, and a copy of such consents shall be filed with the Board within such time, or in the event that such consents cannot be obtained within such time, the Company shall within said one (1) month or within one (1) month thereafter make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law, to determine if said railroad ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railroad shall be held and enjoyed by the Company for the term beginning on the date upon which this contract is signed by the Mayor, and ending March 15, 1924, with the privilege of renewal of said contract for the

further period of ten (10) years upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time, not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year of this original contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding ten (10) years shall be reasonable, and either the City (by the Board) or the Company shall be bound, upon request of the other, to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board, one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall, in any event, be less than the sum required to be paid for the last year of this original contract. If, in any case, the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Third—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any other cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed pursuant to this contract, within the streets and avenues, shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this grant as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of the tracks and other equipment constructed pursuant to this contract, and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Fourth—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of three thousand dollars ($3,000) in cash within thirty (30) days after the date on which this contract is signed by the Mayor.

(b) During the first term beginning on the date when this contract is signed by the Mayor and continuing until March 15, 1919, an annual sum of one thousand six hundred dollars ($1,600).

During the remaining term of five (5) years an annual sum of three thousand two hundred dollars ($3,200).

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the treasury of the City on November 1 of each year, and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any law of the State of New York.

Fifth—The annual charges or payments shall continue throughout the whole term of this contract, whether original or renewal, notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payments for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted, whether original or renewal, or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Sixth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company, or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations, or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Seventh—Said railway shall be maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

Eighth—The street surface passenger railway now operated upon Kent avenue shall have the right of way over the cars or trains operated upon the tracks hereby authorized.

Ninth—Cars may be operated upon said tracks by steam locomotives, which shall be housed or boxed so as to conform with the type commonly known as the dummy engine, or by any other motive power which may be approved by the Board and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York, provided, however, that the Board, upon giving to the grantee one year's notice, may require the Company to operate its railroad upon the whole or any portion of the tracks hereby authorized by such system of electric power as may be designated by the Board, and the Company shall thereupon discontinue the use of steam locomotives from such tracks.

Tenth—Neither passengers nor vehicles shall be prevented from crossing the tracks hereby authorized in Kent and Wythe avenues, or in North Fifth street, between Kent and Wythe avenues, and crossing said North Fifth street, from the southerly to the northerly side thereof, by the occupation of such tracks by cars or trains operated thereon for a greater period than five consecutive minutes at any time, and the aggregate of such periods shall not exceed ten minutes in any hour between 7 o'clock a. m. and 6 o'clock p. m.

Eleventh—Should the Company be allowed to operate at the grade of streets and avenues, it shall erect, maintain and operate gates across Kent avenue, at or near the southerly side line of North Fifth street, at or near the northerly side line of North Fifth street, and at a point about thirty-five (35) feet northerly from the northerly side line of North Fifth street; also gates across Wythe avenue, at or near the northerly side line of North Fifth street and at a point about forty-five (45) feet northerly from said northerly side line of North Fifth street, which gates shall be closed so as to exclude pedestrians and vehicles from the tracks hereby authorized in Kent and Wythe avenues when cars or trains are operated thereon. In addition the Company shall station flagmen for the protection of persons and property at such other points as may be necessary whenever cars or trains are moved on any of the tracks hereby authorized. Should it seem necessary in the opinion of the Board that gates other than those herein required should be maintained for the protection of persons or property, the Company shall erect, maintain and operate such gates upon thirty (30) days' notice by the Board to the Company.

Twelfth—As long as the said tracks, or any portion thereof, shall remain in the streets and avenues, the Company shall set the curbs and pave the roadway and sidewalk and keep the same in permanent repair upon that portion of the surface of Kent avenue, between the southerly side line of North Fifth street and a point thirty-five (35) feet northerly from the northerly side line of North Fifth street; that portion of Wythe avenue between the northerly side line of North Fifth street and a point fifty (50) feet northerly therefrom; that portion of North Fifth street, between the westerly side line of Wythe avenue and the easterly side line of Kent avenue, and those portions of North Fifth street, North Sixth street, North Seventh street, North Eighth street and North Ninth street, between the rails of the tracks hereby authorized in said streets and for a distance of two (2) feet beyond such rails on either side thereof, all to be done under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. The City shall have the right to change the material or character of the pavement of any such streets and avenues, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City officer at its own expense, and the provision as to repairs herein contained shall apply to such renewed or altered pavement.

Thirteenth—The Company shall at all times keep that portion of the surface of Kent avenue between the southerly side line of North Fifth street and a point thirty-five (35) feet northerly from the northerly side line of North Fifth street, that portion of Wythe avenue between the northerly side line of North Fifth street and a point fifty (50) feet northerly therefrom; that portion of North Fifth street between the westerly side line of Wythe avenue and the easterly side line of Kent avenue, and those portions of North Fifth street, North Sixth street, North Seventh street, North Eighth street and North Ninth street between the rails of the tracks hereby authorized in said streets, and for a distance of two (2) feet beyond such rails on either side thereof, free and clear from snow and ice, provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clear an equivalent amount of street surface from house line to house line.

Fourteenth—The Company shall within thirty (30) days from the date on which this contract is signed by the Mayor remove from North Seventh street the five (5) tracks crossing said street from the southerly side line thereof to the northerly side line thereof between a line parallel with the westerly house line of Kent avenue and distant about five hundred and seventy-five (575) feet westerly therefrom and a line parallel with the westerly house line of Kent avenue and distant about six hundred and thirty-five (635) feet westerly therefrom; and shall within thirty (30) days from the date on which this contract is signed by the Mayor remove from North Fifth street the track beginning at a point on the spur track along the southerly side of said North Fifth street about one hundred and ten (110) feet easterly from the easterly side line of Kent avenue, and running thence easterly along the southerly side of North Fifth street and parallel with the above-mentioned track on the southerly side of said street to a point about three (3) feet westerly from the westerly side line of Wythe avenue, together with the spur track or crossover beginning at a point about two hundred and fifty (250) feet easterly from the easterly side line of Kent avenue; thence crossing North Fifth street in a westerly direction to a point on the last above-described track about one hundred and sixty (160) feet easterly from the easterly side line of Kent avenue, and shall thereupon restore the surfaces of said North Seventh street, and said North Fifth street, between the above-described limits to their original condition.

Fifteenth—Should the grades or lines of the streets and avenues in which said tracks are hereby authorized be changed at any time after the railroad has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said street the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Sixteenth—It is agreed that the right hereby granted to operate a railroad shall not be in preference or in hindrance to public work of the City, and should the said railroad in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Seventeenth—Any alteration to the sewerage or drainage system, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railroad, shall be made at the sole cost of the Company and in such manner as the proper City officials may prescribe.

Eighteenth—The said railroad shall be constructed and operated in the latest approved manner of street railroad construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railroad equipment, including rolling stock and railroad appurtenances, from time to time, as such additions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Nineteenth—The rates for carrying property upon the tracks hereby authorized shall in all cases be reasonable in amount, subject to the control of the Board, and may be fixed by the Board after notice to the Company, and a hearing had thereon, and when so fixed such rates shall be binding upon the Company, and no rates in excess of those fixed shall be charged for such service.

Twentieth—The Company shall at all times keep accurate books of account of the gross earnings from all sources, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding, in such form as he may prescribe. Such report shall contain a statement of such gross earnings, total miles in operation and the miles of railroad constructed and operated under this contract and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twenty-first—In case of any violation or breach or failure to comply with any of the provisions herein contained, this contract may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railroad constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity.

Provided, however, that such action by the Board shall not be taken until the Board shall have given notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-second—If the Company shall fail to give efficient public service or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company, specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall for each day thereafter during which the default or defect remains pay to the City the sum of two hundred and fifty dollars ($250) as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets, shall not be put in good condition within a reasonable time after notice by the Board as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-third—The company shall assume all liability to persons or property by reason of the construction or operation of the railroad authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Twenty-fourth—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of five thousand dollars ($5,000), either in money or securities to be approved by him, which fund shall be security for the performance by the Company of all of the terms and conditions of this contract, especially those which relate to the payment of the annual charges for the privilege hereby granted, the efficiency of the public service rendered, the repairs of the street pavement, the removal of snow and ice and the quality of the construction of the railroad, and in the case of default in the performance by the Company of such terms and conditions the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice in writing to the Company; or in case of failure to keep the said terms and conditions of this contract relating to obstruction of traffic, the maintenance of gates and flagmen, the repair of pavements and removal of snow and ice, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company directing its president or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears, in the judgment of the Board, to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure, direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of five thousand dollars ($5,000), and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Twenty-fifth—The grant of this privilege is subject to whatever right, title or interest the owners of abutting property or others may have in and to the streets, avenues and highways in which the Company is authorized to operate.

Twenty-sixth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Twenty-seventh—The words "streets or avenues" and "streets and avenues" wherever used in this contract shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title" encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railroad.

Twenty-eighth—If at any time the powers of the Board or any other of the authorities herein mentioned, or intended to be mentioned, shall be transferred by law to any other Board, authority, officer or officers, then and in such case such other Board, authority, officer or officers, shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Sec. 3. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Sec. 4. This grant is also upon the further and express condition that the provisions of the Railroad Law pertinent hereto shall be strictly complied with by the Company.

Sec. 5. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms and conditions and requirements in this contract fixed and contained.

In witness whereof the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed, and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By ....., Mayor.

[CORPORATE SEAL.]
Attest:
....., City Clerk.

EAST RIVER TERMINAL RAILROAD,
By ....., President.

[SEAL.]
Attest:
....., Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor and of the terms and conditions including the provision as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of a franchise or right applied for by the East River Terminal Railroad and the said form of a proposed contract for the grant of such franchise or rights, containing said results of such inquiry after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, December 23, 1909, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, December 23, 1909, in two daily newspapers to be designated by the Mayor therefor and published in The City of New York, at the expense of the East River Terminal Railroad, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of the franchise or right applied for by the East River Terminal Railroad and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will at a meeting of said Board to be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 23, 1909, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

Dated New York, November 19, 1909.

JOSEPH HAAG, Secretary.
n30,d23

PUBLIC NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN that at the meeting of the Board of Estimate and Apportionment, held this day, the following proceedings were had:

Whereas, The Bush Terminal Railroad Company has, under date of August 17, 1909, made application to this Board for a grant of the right, privilege and franchise to construct, maintain and operate an extension to its existing street surface railway system upon and along First avenue, near Forty-first street, in the Borough of Brooklyn; and

Whereas, Section 92 of the Railroad Law, and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws this Board adopted a resolution on September 17, 1909, fixing the date for a public hearing thereon as October 15, 1909, at which citizens were entitled to appear and be heard, and publication was had for at least fourteen (14) days in the Brooklyn "Citizen" and the Brooklyn "Times," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the Bush Terminal Railroad Company, and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of resolution for the grant of the franchise or right applied for by the Bush Terminal Railroad Company, containing the form of proposed contract for the grant of such franchise or right, be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Bush Terminal Railroad Company the franchise or right fully set out and described in the following form of proposed contract for the grant thereof, embodying all the terms and conditions, including the provisions as to rates, fares and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made this day of , 19 , by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Bush Terminal Railroad Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutal covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate a double track street surface railway as an extension to its existing lines, with the necessary wires and equipment, for the purpose of conveying passengers only, in the Borough of Brooklyn, in The City of New York, upon the following routes, to wit:

(1) Beginning at a point near the Brooklyn terminus of the Thirty-ninth Street Municipal Ferry, on property belonging to The City of New York and under the jurisdiction of the Department of Docks and Ferries, about ninety-five (95) feet northerly from the southerly line of Thirty-ninth street, if the same were produced, and about five hundred and eighty (580) feet westerly of the westerly line of First avenue, if the same were produced; thence easterly and generally parallel with Thirty-ninth street, by double track, upon and along said property of The City of New York for a distance of about nine hundred and thirty (930) feet; thence southerly and generally parallel with First avenue, by double or single track, upon and along private property for a distance of about two hundred and eighty (280) feet; thence westerly and generally parallel with Forty-first street, by single track, upon and along private property, about six hundred (600) feet, and thence southerly and generally parallel with First avenue, by single or double track, upon and along private property for a distance of about two thousand five hundred and eighty (2,580) feet, to a point approximately in line with the prolongation of Fiftieth street.

(2) Also beginning at a point in the northerly line of Forty-first street, about two hundred and forty (240) feet easterly from the easterly line of First avenue; thence northerly and generally parallel with First avenue, by single track, upon and along private property, for a distance of about three hundred (300) feet, and there connecting with the tracks above described.

(3) Also beginning at a point in the centre of First avenue, about one hundred (100) feet northerly from the northerly line of Forty-second street; thence northerly, by double track, upon and along First avenue for a distance of about one hundred and seventy (170) feet to the northerly side of Forty-first street; thence northerly in line of the prolongation of First avenue, by single track, upon and along private property, for a distance of about two hundred and twenty (220) feet, and there connecting with the tracks above described.

The said route, with turnouts, switches and crossovers, hereby authorized, is shown upon a map entitled:

"Map showing proposed extension of the Bush Terminal R. R. Company, in the Borough of Brooklyn, City of New York, to accompany application to the Board of Estimate and Apportionment, dated August 17, 1909," and signed by Irving T. Bush, President, and E. M. Ellsworth, Chief Engineer;

—a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof, and is to be substantially followed, provided that deviations therefrom and additional turnouts, switches and crossovers which are consistent with the foregoing description and the other provisions of this contract, may be permitted by resolution of the Board.

Sec. 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within one (1) month from the signing of this contract by the Mayor, and a copy of such consent shall be filed with the Board within such time, or in the event that such consents cannot be obtained within such time, the Company shall, within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law, to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right to construct, maintain and operate said railway shall be held and enjoyed by the Company for the term beginning on the date upon which this contract is signed by the Mayor, and ending February 14, 1920, with the privilege of renewal of said contract for the further period of ten (10) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding ten (10) years shall be reasonable, and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other, fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three disinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuations so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall in any event be less than the sum required to be paid for the last year of this original contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Third—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of five hundred dollars ($500) in cash within three (3) months after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years an annual sum which shall in no case be less than one hundred dollars ($100), and which shall be equal to three (3) per cent. of its gross annual receipts if such percentage shall exceed the sum of one hundred dollars ($100).

During the second term of five (5) years an annual sum which shall in no case be less than two hundred dollars ($200) and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of two hundred dollars ($200).

(c) For the use of the property and structures under the jurisdiction of the Department of Docks and Ferries an annual sum which shall be determined by the Commissioner of Docks and Ferries, provided that such annual sum shall in no case be less than fifty cents (50c.) per linear foot of single track constructed upon such property.

(d) Before any rights hereby conferred are exercised by the Company, and within three (3) months from the date on which this contract is signed by the Mayor, the Company shall pay to the City the sum of fifty dollars ($50) for the use and occupation of streets and avenues without having a franchise therefor.

The gross annual receipts mentioned above shall be that portion of the gross receipts of the Company as shall bear the same proportion to its whole gross receipts as the length of the extension hereby granted shall bear to the entire length of the railway of the Company in operation within the limits of the City.

The annual charges shall commence from the date upon which this contract is signed by the Mayor.

Annual charges designated above as (a) and (b) shall be paid into the Treasury of the City on November 1 of each year and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year. Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30 next preceding.

Annual charges above designated as (c) shall be paid to the Commissioner of Docks and Ferries at such time or times as shall be designated by the said Commissioner.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City pursuant to the Railroad Law as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any law of the State of New York.

Fourth—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fifth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over the same streets and avenues, hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment or any structures used in connection therewith, in streets and avenues hereinbefore described, shall be permitted by the Company, to any individual or corporation to which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair and the cost of additions and betterments thereto, such proportion of laying and repairing of pavement and removal of snow and ice and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if, in the opinion of the Company, the legal rate of interest upon the cost of such railway shall be an insufficient sum to be paid for the use of such tracks, it may appeal to the Board and the Board may fix a percentage upon the cost to be paid to the Company, at a sum in excess of the legal rate of interest, if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of the railway which shall be constructed by the Company pursuant to this contract.

Sixth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Seventh—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipments of the Company constructed pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract and the said streets and avenues shall be restored to their original condition at the sole cost and expense of the Company.

Eighth—The Company shall commence construction of the railway herein authorized within one (1) month from the date upon which the consents of the property owners are obtained, or from the date upon which the decision of the Appellate Division of the Supreme Court that such railway ought to be constructed is rendered in lieu of such consents, and shall complete the construction and place the same in full operation within six (6) months from the date of obtaining such consents or such decision, otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided, that such periods may be extended by the Board for a period or periods not exceeding in the aggregate six (6) months each; and provided, further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company, and provided further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board, either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Ninth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such additions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the direction of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Tenth—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permits so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures, in the streets and avenues, over which such officials have jurisdiction and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City, whether the same be upon streets and avenues or upon private property, shall be constructed and maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Eleventh—Before the Company shall exercise any authority under this contract, it shall obtain from the Commissioner of Docks and Ferries a permit for the construction and operation of the portion of the railway upon the property under the jurisdiction of said Commissioner. Such permit shall contain a statement fixing the sums to be paid to the Commissioner for the right to construct and operate such railway upon the property under the jurisdiction of said Commissioner as hereinbefore provided, and may contain such other conditions as the said Commissioner shall deem necessary to protect the property under his care, and the Company shall abide by and perform all of the conditions so imposed.

Twelfth—Said railway may be operated by overhead electric power substantially similar to the overhead electric system now in use by street surface railways in the Borough of Brooklyn, or by any other motive power, except locomotive steam power or horse power, which may be approved by the Board, and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York.

Provided, however, that the Board, upon giving to the Company one (1) year's notice, may require the Company to operate its railway upon the whole or upon any portion of its route, by underground electric power substantially similar to the system now in use on the street surface railways in the Borough of Manhattan, or by any other practical motive power then in use which does not require the use of poles and overhead wires in the streets and avenues, and thereupon to discontinue the use of the overhead trolley system, and to remove its poles, wires and other structures used by it for that purpose from the streets and avenues of the City.

Thirteenth—Upon six (6) months' notice by the Board to the Company, all wires for the transmission of power, except trolley wires, for the operation of the railway, upon all or any portion of the route hereby authorized, shall be placed in conduits beneath or alongside of the railway. The Company shall provide in such conduits two (2) ducts not less than three (3) inches in diameter for the exclusive use of the City. Such ducts shall be used only by the Company for the operation of its railway and by the City, as above.

Fourteenth—The rate of fare for any passenger on said railway shall not exceed two (2) cents, and the Company shall not charge any passenger more than two (2) cents for one continuous ride from any point on the said railway or the railway authorized by an ordinance adopted by the Board of Aldermen on January 31, 1905, to any other point thereof.

Provided, however, that if by a traffic arrangement with any other transportation company, free transfers are given enabling a passenger paying one fare on the route hereby granted to reach the Borough of Manhattan or the Brooklyn Borough Hall, when traveling in a northerly direction, and Coney Island, when traveling in a southerly direction; then the rate of fare shall not exceed five (5) cents.

The Company shall carry free upon the railway hereby authorized during the term of this contract all members of the Police and Fire Departments of the City, when such employees are in full uniform.

Fifteenth—No cars shall be operated upon the railway hereby authorized other than passenger cars and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated unon the tracks of said railway.

Sixteenth—The Company shall attach to each car run over the said railway proper fenders and wheel guards, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Seventeenth—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Eighteenth—All cars operated on said railway shall be well lighted by electricity, or by some lighting system equally efficient, or as may be required by resolution of the Board.

Nineteenth—Cars on the said railway shall run at intervals of not more than twenty (20) minutes between the hours of 7 o'clock a. m. and 6 o'clock p. m., and as much oftener during said hours and at such other times during the day and night as reasonable convenience of the public may require, or as may be directed by the Board.

Twentieth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curb lines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Twenty-first—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Twenty-second—As long as said railway or any portion thereof remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City officer, at its own expense, and the provision as to repairs herein contained shall apply to such renewed or altered pavement.

Twenty-third—Any alteration to the sewerage or drainage system, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Twenty-fourth—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance to public work of the City, and should the said railway in any way interfere with the construction of public works in the street sand avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Twenty-fifth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said street the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Twenty-sixth—The Company hereby agrees that if the City is, or shall become, entitled to acquire, and shall at any time during the term

of this contract acquire or otherwise come into the possession of any of the property on which railway tracks shall be constructed on that portion of the route described herein as private property, no compensation shall be awarded for the right to have railway tracks thereon.

And in the event that the City shall have acquired such property, then the rights hereby granted in the streets and avenues shall be extended to cover such property and all the terms and conditions of this contract shall be applicable thereto.

Twenty-seventh—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued; for cash, for property;
2. The amount paid in as by last report;
3. The total amount of capital stock paid in;
4. The funded debt by last report;
5. The total amount of funded debt;
6. The floating debt as by last report;
7. The total amount of floating debt;
8. The total amount of funded and floating debt;
9. The average rate per annum of interest on funded debt;
10. Statement of dividends paid during the year;
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose;
13. Location, value and amount paid for real estate owned by the Company as by last report;
14. Location, value and amount paid for real estate now owned by the Company;
15. Number of passengers carried during the year;
16. Total receipts of Company for each class of business;
17. Amounts paid by the Company for damage to persons or property on account of construction and operation;
18. Total expenses for operation, including salaries;

—and such other information in regard to the business of the Company as may be required by the Board.

Twenty-eighth—The Company shall at all times keep accurate books of account of the gross earnings from all sources within the limits of the City, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding, in such form as he may prescribe. Such report shall contain a statement of such gross earnings, to the total miles in operation within the limits of the City and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctnees of its report, and may examine its officers under oath.

Twenty-ninth—In case of any violation or breach or failure to comply with any of the provisions herein contained, or with any orders of the Board, acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Thirtieth—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250) as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Thirty-first—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Thirty-second—The grant of this privilege is subject to whatever right, title or interest the owners of abutting property or others may have in and to the streets and avenues in which the Company is hereby authorized to operate.

Thirty-third—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of two thousand dollars ($2,000), either in money or securities to be approved by him, which fund shall be security for the performance by the Company of all the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railway, and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions or compliance with such orders, or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof, after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges shall collect the same, with interest, from the said fund after ten (10) days' notice in writing to the Company; or in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder relating to the headway, heating and lighting of cars, fenders, wheelguards and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheel guards, in case of a violation of the provisions relating to these matters, all of which sums may be deducted from said fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its president or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing appears, in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of two thousand dollars ($2,000), and in default thereof this contract shall be cancelled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Thirty-fourth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Thirty-fifth—The words "streets or avenues" and "streets and avenues" wherever used in this contract shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, public places, dock property or any other property to which the City has title" encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railway.

Thirty-sixth—If at any time the powers of the Board or any other of the authorities herein mentioned, or intended to be mentioned, shall be transferred by law to any other board, authority, officer or officers, then and in such case such other board, authority, officer or officers, shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Sec. 3. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the Laws of the State of New York.

Sec. 4. This grant is also upon the further and express condition that the provisions of the Railroad Law, pertinent hereto, shall be strictly complied with by the Company.

Sec. 5. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corprate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By ....., Mayor.

[CORPORATE SEAL.]
Attest:
....., City Clerk.

BUSH TERMINAL RAILROAD COMPANY,
By ....., President.

[SEAL.]
Attest:
....., Secretary.

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provision as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form or proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the franchise or right applied for by the Bush Terminal Railroad Company, and the said form of a proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to Thursday, December 23, 1909, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, December 23, 1909, in two daily newspapers to be designated by the Mayor therefor and published in The City of New York, at the expense of the Bush Terminal Railroad Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of the franchise or right applied for by the Bush Terminal Railroad Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract will, at a meeting of said Board to be held in the old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 23, 1909, at 10.30 o'clock a. m., hold a public hearing thereon at which citizens shall be entitled to appear and be heard.

JOSEPH HAAG, Secretary.
Dated New York, November 19, 1909.
n30,d23

PUBLIC NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN that at the meeting of the Board of Estimate and Apportionment, held this day, the following proceedings were had:

Whereas, The Harrison Street Cold Storage Company has, under date of June 11, 1909, made application to this Board for the grant of the right, privilege and franchise to construct, maintain and operate pipes for the purpose of supplying brine for refrigeration purposes, under and along the streets and avenues within the area bounded by North Moore street, Duane street, West Broadway and West street, in the Borough of Manhattan, City of New York; and

Whereas, Sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on September 17, 1909, fixing the date for public hearing thereon as October 15, 1909, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in "The Globe" and "The New York Times," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the Harrison Street Cold Storage Company, and the adequacy of the compensation proposed to be paid therefor; now therefore it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the Harrison Street Cold Storage Company, containing the form of proposed contract for the grant of such franchise or right be hereby introduced and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Harrison Street Cold Storage Company the franchise or right fully set out and described in the following form of proposed contract, for the grant thereof, embodying all the terms and conditions, including the provisions as to rates and charges, upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made this day of 19 , by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Harrison Street Cold Storage Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree, as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate certain conduits, with the necessary branches and extensions therefrom, leading directly into private property, for the sole purpose of supplying refrigeration to consumers, provided that no conduit be of a greater outside diameter than twelve (12) inches, including insulation or other covering; the same to be constructed and operated only beneath the surface of such of the streets, avenues and highways situate within the Borough of Manhattan, City of New York, as are included within the district bounded and described as follows: On the north by the centre line of Franklin street; on the west by the Centre line of Washington street; on the south by the centre line of Duane street, between Washington and Greenwich streets, prolonged in a straight line to the centre line of Hudson street; on the east by an irregular line formed as follows: By the centre line of Hudson street, the centre line of Thomas street, the line dividing Lots Nos. 40 and 44 from Lots Nos. 39, 36 and 49, all in Block 144 of Section 1, as shown on the tax maps of the City; the centre line of Worth street, the line dividing Lots Nos. 11, 15 and 17 from Lots Nos. 10, 21 and 20, all in Block 179 of Section 1 on said maps; the centre line of Leonard street and the centre line of Hudson street.

Provided, however, that upon written application to the Board by the Company, the Board may, by resolution, extend the lines of the district hereinbefore described to all or any part of a district bounded and described as follows: On the north by the centre line of North Moore street; on the west by the westerly line of West street; on the south by the centre line of Reade street, and on the east by the centre line of West Broadway.

Both of said districts being more particularly shown, the first, or smaller district, by full red lines, and the second, or larger district, by dashed red lines, on a map entitled:

"Map showing the districts to be covered by proposed conduits of the Harrison Street Cold Storage Company, to accompany petition dated June 11, 1909, to the Board of Estimate and Apportionment"; signed by Alexander Moir, Treasurer.

—a copy of which is hereto annexed and made a part of this contract.

Should the district be extended, as hereinbefore provided, then the terms and conditions of this contract shall apply to such extended district.

Sec. 2. The grant of this privilege is subject to the following conditions, which shall be complied with by the Company:

First—The said right to construct, maintain and operate said conduits shall be held and enjoyed by the Company for the term of fifteen (15) years from the date upon which this contract is signed by the Mayor, with the privilege of renewal of said contract for the further period of ten (10) years, upon a fair revaluation of such right and privilege.

If the Company shall determine to exercise its privilege of renewal it shall make application to the Board, or any authority which shall be authorized by law to act for the City in place of the Board. Such application shall be made at any time not earlier than two (2) years and not later than one (1) year before the expiration of the original term of this contract. The determination of the revaluation shall be sufficient if agreed to in writing by the Company and the Board, but in no case shall the annual rate of compensation to the City be fixed at a less amount than the sum required to be paid during the last year prior to the termination of the original term of this contract.

If the Company and the Board shall not reach such agreement on or before the day one (1) year before the expiration of the original term of this contract, then the annual rate of compensation for such succeeding ten (10) years shall be reasonable and either the City (by the Board) or the Company shall be bound upon request of the other to enter into a written agreement with each other fixing the rate of such compensation at such amount as shall be reasonable, but in no case shall the annual rate so fixed be less than the sum required to be paid for the last year prior to the termination of the original term of this contract, and if the parties shall not forthwith agree upon what is reasonable, then the parties shall enter into a written agreement fixing such annual rate and at such amount as shall be determined by three distinterested freeholders selected in the following manner:

One disinterested freeholder shall be chosen by the Board; one disinterested freeholder shall be chosen by the Company; these two shall choose a third disinterested freeholder, and the three so chosen shall act as appraisers and shall make the revaluation aforesaid. Such appraisers shall be chosen at least six (6) months prior to the expiration of this original contract, and their report shall be filed with the Board within three (3) months after they are chosen. They shall act as appraisers and not as arbitrators. They may base their judgment upon their own experience and upon such information as they may obtain by inquiries and investigations, without the presence of either party. They shall have the right to examine any of the books of the Company and its officers under oath. The valuation so ascertained, fixed and determined shall be conclusive upon both parties, but no annual sum shall in any event be less than the sum required to be paid for the last year of this original contract. If in any case the annual rate shall not be fixed prior to the termination of the original term of this contract, then the Company shall pay the annual rate theretofore prevailing until the new rate shall be determined, and shall then make up to the City the amount of any excess of the annual rate then determined over the previous annual rate. The compensation and expenses of the said appraisers shall be borne jointly by the City and the Company, each paying one-half thereof.

Second—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of one thousand dollars ($1,000) in cash within one (1) month after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five years, an annual sum which shall in no case be less than eight hundred dollars ($800), and which shall be equal to two (2) per cent. of its gross annual receipts, if such percentage shall exceed the sum of eight hundred dollars ($800).

During the second term of five years, an annual sum which shall in no case be less than twelve hundred dollars ($1,200), and which shall be equal to three (3) per cent. of its gross annual receipts, if such percentage shall exceed the sum of twelve hundred dollars ($1,200).

During the third term of five years, an annual sum which shall in no case be less than fifteen hundred dollars ($1,500), and which shall be equal to three (3) per cent. of its gross annual receipts, if such percentage shall exceed the sum of fifteen hundred dollars ($1,500).

The gross receipts mentioned above shall be the total receipts from all business of furnishing refrigeration to consumers.

(c) An annual payment of twenty-five (25) cents for each linear foot of conduit constructed within the limits of any street, avenue or highway, excepting, however, such conduits as are constructed within the vault space or vault spaces of any building or buildings used or occupied exclusively by the Company for the purposes of its business.

An annual payment of two dollars ($2) for each manhole constructed within the limits of any street, avenue or highway.

The annual charges shall commence from the day upon which this contract is signed by the Mayor.

All annual charges as above shall be paid into the Treasury of the City on February 1 of each year and shall be for the amount due to December 31 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and December 31 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount as above, then such sum over and above such minimum shall be paid on or before February 1 in each year for the year ending December 31 next preceding.

(d) Before any rights hereby conferred are exercised by the Company and within one (1) month from the date on which this contract is signed by the Mayor, the Company shall pay to the City the sum of fifteen hundred dollars ($1,500); said amount being due the City by reason of the unauthorized occupation of the streets by the Company or its predecessors.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any law of the State of New York.

Third—The annual charges or payments shall continue throughout the whole term of this contract (whether original or renewal), notwithstanding any clause in any statute or in the charter of any other company providing for payments for refrigerating rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted (whether original or renewal), or of any part thereof, or of any of the streets and avenues mentioned herein or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all conditions of this contract; and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Fourth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, over the same streets and avenues, or within the districts hereinbefore described.

Fifth—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in anywise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Sixth—Upon the termination of this original contract, or if the same be renewed, then at the termination of the said renewal term, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the conduits and appurtenances of the Company constructed pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any company or individual.

If, however, at the termination of this contract, as above, the Board shall so order by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its conduits and appurtenances constructed pursuant to this contract, and the said streets and avenues shall be restored to their original

condition at the sole cost and expense of the Company.

Seventh—The grant of this privilege is subject to whatever title or interest the owners of abutting property or others may have in and to the streets and avenues in which the Company is hereby authorized to operate.

Eighth—All construction which shall be made under this grant shall be done in a manner solely upon the terms and conditions hereafter to be imposed by the President of the Borough of Manhattan and the Commissioner of Water Supply, Gas and Electricity, or their respective successors in authority. The said Company shall submit a working plan of construction to the said President and to the said Commissioner, which shall include and show in detail the method of construction of said conduit line, connections, manholes and other appurtenances, and the mode of protection of all subsurface construction under the streets and avenues in which the Company is hereby authorized to operate.

Ninth—Any alteration to the sewerage or drainage system, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the conduits of the Company, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Tenth—It is agreed that the right hereby granted shall not be in preference or in hindrance to public work of the City, and should the said conduits in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the conduits and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Eleventh—The Company shall bear the expense of keeping in repair for one year after it has been replaced all pavement which may at any time be removed by said Company, either for the purpose of construction or for the repairing of the conduit line and its appurtenances.

Twelfth—The Company shall bear the expense of inspection which may be required by the President of the Borough of Manhattan and the Commissioner of Water Supply, Gas and Electricity, and of all work of construction.

Thirteenth—The Company shall cause a test to be made of the pipes to be contained within the conduits hereby authorized whenever required by and under the supervision of the Commisioner of Water Supply, Gas and Electricity. The conditions of such test shall be as follows:

(a) If the test be made in the foundry where the pipes are manufactured, such pipes shall be subjected to a pressure of three hundred (300) pounds per square inch.

(b) If the test be made in the field, of pipes in use or ready for use, such pipes shall be subjected to a pressure of two hundred (200) pounds per square inch.

A certificate showing that such a test has been made without injury to the pipes shall be executed by an officer of the Company, and indorsed by the Commisioner of Water Supply, Gas and Electricity, and filed with the Board.

Fourteenth—The Company shall not charge consumers more than the following rates:

(a) Consumers making monthly contracts:

Four (4) cents per month per cubic foot for boxes of not over 500 cubic feet;

Two (2) cents per month per cubic foot for boxes of over 500 cubic feet but less than 1,500 cubic feet;

One (1) cent per month per cubic foot for boxes of 1,500 cubic feet and over.

(b) Consumers making yearly contracts:

Fifteen (15) cents per year per cubic foot of box.

These rates to apply to boxes located not above the first floor of any building.

During the term of this contract the Board shall have absolute power to regulate the maximum rates, provided that such rates shall be reasonable and fair.

Fifteenth—The Company, upon the application for refrigeration of any person, firm or corporation whose premises are located within the district first above described, or if such district be extended as hereinbefore provided, then within such extended district, shall extend its conduits to such premises and furnish to said applicant refrigeration at the rates herein prescribed or at such rates as may be hereafter fixed by the Board as herein provided. The Company shall not be required, however, to furnish refrigeration to applicants whose premises are located above the first floor of any building.

Sixteenth—A correct map shall be furnished to the Board by the Company on the first day of February, 1910, showing the exact location of all conduit lines and manholes constructed, with reference to the street lines, the curb lines and the street surface, together with a statement of the total length of such conduit. On the same date of each succeeding year, during the term of this contract, a supplementary map shall be furnished the Board showing all conduits laid during the preceding year.

Seventeenth—The conduit lines hereby authorized shall be used only by the Harrison Street Cold Storage Company, and for no other purpose than supplying refrigeration.

Eighteenth—The Company shall submit a report to the Board not later than February 1 in each year, for the year ending December 31 next preceding, and at any other time upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property;
2. The amount paid in as by last report;
3. The total amount of capital stock paid in;
4. The funded debt by last report;
5. The total amount of funded debt;
6. The floating debt as by last report.
7. The total amount of floating debt;
8. The total amount of funded and floating debt;
9. The average rate per annum of interest on funded debt;
10. Statement of dividends paid during the year;
11. Number of feet of conduit now laid;
12. The total amount expended for same;
13. Amount, kind and capacity of machinery now in use and required for operation;
14. The total amount expended for same;
15. Quantity of refrigeration produced during the year and the average price received for same;
16. Quantity used in Company's own warehouses;
17. Quantity furnished to outside consumers;
18. Number and location of warehouses occupied by the Company, exclusively or in part, and the extent of such occupation by the Company;
19. Number of outside consumers supplied;
20. Amounts paid by Company for damages to persons or property on account of construction and operation;
21. Total expenses of operation, including salaries;

—and such other information in regard to the business of the Company as may be required by the Board.

Nineteenth—The Company shall at all times keep accurate books of account of the gross earnings from the privileges granted under this contract, and on or before February 1 in each year shall make a verified report to the Comptroller of The City of New York of the business done by the Company for the year ending December 31 next preceding as he may prescribe. Such report shall contain the number of feet of conduit laid and the number of manholes constructed during the year, and also a statement of the gross receipts from all business of furnishing refrigeration to consumers, together with such other information and in such detail as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Twentieth—In case of any violation or breach of failure to comply with any of the provisions herein contained or with any orders of the Board acting under the powers herein reserved, the franchise or consent herein granted may be forfeited by a suit brought by the Corporation Counsel on notice of ten days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the conduits constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Twenty-first—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its conduits and appurtenances as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of fifty dollars ($50) as fixed or liquidated damages, or the Board, in case such conduits or appurtenances which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Twenty-second—The Company shall assume all liability to persons or property by reason of the construction or operation of the conduits authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever to either persons or property on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Twenty-third—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of two thousand five hundred dollars ($2,500), either in money or securities to be approved by him, which fund shall be security for the performance by the Company of all of the terms and conditions of this contract and compliance with all orders of the Board, acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at reasonable rates, the repairs of the street pavement and the maintenance of the property in good condition throughout the full term of the grant, and in case of default in the performance by the Company of such terms and conditions or compliance with such orders, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or, after default in the payment of the annual charges, shall collect the same, with interest, from the said fund, after ten (10) days' notice in writing to the Company; or in case of failure to comply with the said terms and conditions of this contract, or its neglect or refusal to comply with any notice or direction of the Board, or other municipal officials, given or made pursuant to the terms of the contract, or under the authority of any laws or ordinances now or hereafter in force, in such case and in any of these events, the Company shall pay to the City a penalty of one hundred dollars ($100) for each violation.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its president or other officer to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears, in the judgment of the Board, to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of two thousand five hundred dollars ($2,500), and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or rights under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Twenty-fourth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Twenty-fifth—If at any time the powers of the Board or any other of the authorities herein mentioned or intended to be mentioned, shall be transferred by law to any other board, authority, officer or officers, then and in such case such other board, authority, officer or officers shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Sec. 3. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By....., Mayor.
[CORPORATE SEAL.]
Attest:
....., City Clerk.
HARRISON STREET COLD STORAGE COMPANY,
By....., President.
[SEAL.]
Attest:
....., Secretary.
(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provisions as to rates and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions for the grant of a franchise or right applied for by the Harrison Street Cold Storage Company and the said form of a proposed contract for the grant of such franchise or right containing said results of such inquiry after the same shall be entered in the minutes of this Board shall be published for at least twenty (20) days immediately prior to Thursday, December 23, 1909, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to Thursday, December 23, 1909, in two daily newspapers to be designated by the Mayor therefor, and published in The City of New York, at the expense of the Harrison Street Cold Storage Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of a franchise or right applied for by the Harrison Street Cold Storage Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 23, 1909, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

JOSEPH HAAG, Secretary.

Dated New York, November 19, 1909.

n30,d23

PUBLIC NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN that at the meetings of the Board of Estimate and Apportionment held November 12 and 19, 1909, the following proceedings were had:

Whereas, The Third Avenue Bridge Company has under date of September 10, 1909, made application to this Board for a grant of the right, privilege and franchise to construct, maintain and operate a street surface railway from Third avenue, in the Borough of Manhattan, to the Manhattan end of the Queensboro Bridge, and thence over said bridge and the approaches thereto to Jackson avenue, in the Borough of Queens; and

Whereas, Section 92 of the Railroad Law, and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for and proposed to be granted to the Third Avenue Bridge Company and the adequacy of the compensation proposed to be paid therefor; now, therefore, it is

Resolved, That the following form of the resolution for the grant of the franchise or right applied for by the Third Avenue Bridge Company containing the form of proposed contract for the grant of such franchise or right be hereby introduced and entered in the minutes of this Board as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby grants to the Third Avenue Bridge Company a franchise or right fully set out and described in the following form of proposed contracts for the grant thereof, embodying all the terms and conditions, including the provisions as to rates, fares and charges upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made this day of , 190 , by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the Third Avenue Bridge Company (hereinafter called the Company), party of the second part, witnesseth:

In consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

Section 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the following rights and privileges:

First—To construct, maintain and operate a double-track street surface railway with the necessary wires and equipment for the purpose of conveying persons and property in the Borough of Manhattan, in The City of New York, upon the following route:

Beginning at the intersection of Third avenue and East Fifty-ninth street; thence in and upon East Fifty-ninth street with single track to the existing tracks constructed upon bridge property for the use of street surface railways upon the westerly approach of the Queensboro Bridge; also with single track connecting with such tracks on the bridge approach in and upon East Sixtieth street to its intersection with Third avenue, and thence in and upon Third avenue with double tracks to the point or place of beginning.

And to cross such other streets and avenues, named and unnamed, as may be encountered in said route, provided that deviations therefrom and additional turnouts, switches and crossovers which are consistent with the foregoing description and the other provisions of this contract may be permitted by resolution of the Board.

Second—To operate the cars of the Company upon two (2) tracks when constructed upon the Queensboro Bridge and approaches thereto, such tracks to be assigned to the Company by the Commissioner of Bridges; beginning at the westerly end of the Queensboro Bridge at the terminus of the tracks above described; thence upon and along the westerly approach of the Queensboro Bridge, in the Borough of Manhattan, upon and along the Queensboro Bridge and upon and along the easterly approach and across the intersecting streets and avenues to the terminal at or near Jackson avenue, in the Borough of Queens.

The said route is to be operated by the Company as a continuous route in connection with the route hereinbefore described.

Sec. 2. The grant of the right or privilege to construct, maintain and operate the said railway from the intersection of Third avenue with East Fifty-ninth and Sixtieth streets, thence in and upon East Fifty-ninth and Sixtieth streets to the existing tracks constructed on the Queensboro Bridge, is subject to the following conditions, which shall be complied with by the Company:

First—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway shall be obtained by the Company within six (6) months from the signing of this contract by the Mayor, and a copy of such consent shall be filed with the Board within such time, or, in the event that such consents cannot be obtained within such time, the Company shall, within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine.

Second—The said right and privilege shall be held and enjoyed by the Company for a term of twenty-five (25) years from the date upon which this contract is signed by the Mayor. Whenever in the opinion of the Board such tracks or any part thereof will interfere with the construction or operation of a rapid transit railroad over the said Queensboro Bridge, said Board at its option upon six (6) months' notice to the Company may rescind and revoke this contract and grant, or may designate other tracks to be used by the Company, and in the event of such redesignation the Company agrees to make the necessary changes at its own expense.

Third—Upon the termination of this contract or its revocation by the Board, as herein provided, or upon the termination of the rights hereby granted for any cause, or upon the dissolution of the Company before such termination, the tracks and equipment of the Company constructed pursuant to this contract within the streets and avenues shall become the property of the City without cost, and the same may be used or disposed of by the City for any purpose whatsoever, or the same may be leased to any Company or individual.

If, however, at the termination of this grant for any reason as above, the Board shall so order, by resolution, the Company shall, upon thirty (30) days' notice from the Board, remove any and all of its tracks and other equipment constructed pursuant to this contract, and the said streets and avenues shall be restored to their original condition, at the sole cost and expense of the Company.

Fourth—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions over the same streets and avenues hereinbefore described.

The use of the railway constructed by the Company under this contract, including the tracks, wires and other equipment, or any structures used in connection therewith, in streets and avenues hereinbefore described, shall be permitted by the Company to any individual or corporation to which the City may have granted, or may hereafter grant, the right or privilege to use such streets and avenues for street railway purposes, upon payment of an annual sum by such individual or corporation to the Company, which shall equal the legal interest on such proportion of the actual cost of the construction of such railway and structures, and additions and betterments thereto, theretofore incurred, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same; and also such proportion of the cost of keeping the tracks and electrical equipment in repair, and the cost of additions and betterments thereto, such proportion of laying and repairing of pavement and removal of snow and ice, and all other duties imposed upon the Company by the terms of this contract in connection with the maintenance or the operation of said railway so used, as the number of cars operated by such individual or corporation shall bear to the number of cars operated by the companies then using the same, together with the actual cost of the power necessary for the operation of the cars thereon of such individual or corporation. Provided, however, that if in the opinion of the Company the legal rate of interest upon the cost of such railway shall be an insufficient sum to be paid for the use of such tracks, it may appeal to the Board, and the Board may fix a percentage upon the cost to be paid to the Company at a sum in excess of the legal rate of interest, if, in its opinion, such action is justified.

The Company shall not at any time oppose, but shall, upon the request of the Board, consent to the construction or operation of any street surface railway which may necessitate the use of any portion of East Fifty-ninth and Sixtieth streets which shall be covered by this grant.

Fifth—Said railway shall be operated by underground electric power substantially similar to the system of underground electric power now used by the street surface railways in the Borough of Manhattan, provided that any other power may be used except locomotive steam power, horse power or overhead electric power, which may be lawfully used, approved by the Board and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York.

Sixth—No wires for the transmission of power shall be permitted unless they be placed in conduits underneath or along the side of the railway. When such conduits are constructed, the Company shall provide two (2) conduits not less than three (3) inches in diameter each for the exclusive use of the City. The Company hereby agrees that such conduits shall be used only by the Company and the City, as above.

Seventh—Said railway shall be constructed, maintained and operated subject to the supervision and control of all the authorities of the City who have jurisdiction in such matters, as provided by the Charter of the City.

No construction upon said railway shall be commenced until written permits have been obtained from the proper City officials.

In any permit so issued such officials may also impose such conditions, as a condition of the granting of the same, as are necessary for the purpose of protecting any structures, in the streets and avenues, over which such officials have jurisdiction, and the Company shall comply with such conditions.

The electrical equipment to be installed by the Company for the operation of the railway within the limits of the City shall be constructed and

maintained under the supervision and control of the Commissioner of Water Supply, Gas and Electricity.

Eighth—The Company shall commence construction of the railway herein authorized within three (3) months from the date upon which the consents of the property owners are obtained, or from the date upon which the decision of the Appellate Division of the Supreme Court that such railway ought to be constructed is rendered in lieu of such consents, and shall complete the construction and place the same in full operation within six (6) months from the date of obtaining such consents or such decision, otherwise this right shall cease and determine, and all sums paid, or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided, that such periods may be extended by the Board for a period or periods not exceeding in the aggregate six (6) months each; and, provided further, that when the commencement or completion of said construction shall be prevented by legal proceedings in any Court or by works of public improvement, or from other causes not within control of the Company, the time for the commencement or completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the Court proceedings shall be diligently prosecuted by the Company; and provided further, that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such Court proceedings or other occasion of delay, and deliver to the Board copies of any injunction or other orders, and the papers upon which the same shall have been granted, and unless, upon the request of the Board, the Company shall, in writing, consent that the Board, either in its own name as a party, or in the name of the City as a party, may intervene in any such proceedings.

Ninth—Any alteration to the sewerage or drainage system, or to any other subsurface or to any surface structures in the streets, required on account of the construction or operation of the railway, shall be made at the sole cost of the Company, and in such manner as the proper City officials may prescribe.

Tenth—Should the grades or lines of the streets and avenues in which the railway is hereby authorized be changed at any time after the railway has been constructed, and during the term of this contract, the Company shall, at its own expense, change its tracks and appurtenances to conform with such new grades and lines, and during the construction of any public improvement upon said street the Company shall take care of and protect the tracks and appurtenances at its own expense, all to be done subject to the direction of the City official having jurisdiction over the construction of such change.

Eleventh—As long as said railway, or any portion thereof, remains in any street or avenue, the Company shall pave and keep in permanent repair that portion of the surface of the street or avenue in which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails on either side thereof, under the supervision of the local authorities, whenever required by them to do so, and in such manner as they may prescribe. And the City shall have the right to change the material or character of the pavement of any street or avenue, and in that event the Company shall be bound to replace such pavement in the manner directed by the proper City officer, at its own expense, and the provision as to repairs herein contained shall apply to such renewed or altered pavement.

Twelfth—The Company, so long as it shall continue to use any of the tracks upon the streets and avenues in which said railway shall be constructed, shall cause to be watered at least three (3) times every twenty-four (24) hours when the temperature is above thirty-five (35) degrees Fahrenheit, the entire width of the streets and avenues, except when the width of such streets and avenues shall exceed sixty (60) feet between curb lines, in which case the Company shall cause to be watered only sixty (60) feet in width of such roadway, and the Company shall provide for such purpose at least one tank car, the capacity of which shall be sufficient to water such streets and avenues in a satisfactory manner.

Thirteenth—The Company shall at all times keep the streets and avenues upon which the said railway is constructed, between its tracks, the rails of its tracks and for a distance of two (2) feet beyond the rails, on either side theroef, free and clear from ice and snow; provided, however, that the Company shall, at the option of the Commissioner of Street Cleaning, enter into an agreement for each winter season, or part thereof, to clean an equivalent amount of street surface from house line to house line.

Fourteenth—It is agreed that the right hereby granted to operate a street surface railway shall not be in preference or in hindrance to public work of the City, and should the said railway in any way interfere with the construction of public works in the streets and avenues, whether the same is done by the City directly or by a contractor for the City, the Company shall, at its own expense, protect or move the tracks and appurtenances in the manner directed by the City officials having jurisdiction over such public work.

Sec. 3. The grant of the right or privilege to operate cars upon two (2) tracks on the Queensboro Bridge and the approaches thereto, upon the route hereinbefore described, and to use other equipment owned by the City upon said bridge, is subject to the following conditions, which shall be complied with by the Company:

First—The said right and privilege shall be held and enjoyed by the Company for a term of twenty-five (25) years from the date upon which this contract is signed by the Mayor. Whenever in the opinion of the Board the use by the Company of the tracks assigned to the Company by the Commissioner of Bridges, or any part thereof, will interfere with the operation of a rapid transit railroad over the said Queensboro Bridge, said Board, at its option, upon six (6) months' notice to the Company, may rescind and revoke this contract, and grant, or may designate other tracks to be used by the Company.

Second—The Company shall use only such tracks as shall be assigned to the Company by the Commissioner of Bridges, and nothing in this contract shall be deemed to affect in any way the right of the City to grant to any individual or other corporation a similar right or privilege upon the same or other terms and conditions, or to affect the right of the Commissioner of Bridges to assign the same or other tracks to such individual or other corporation.

Such tracks and all electrical equipment necessary for the operation of cars thereon shall be installed at the expense of the City, and shall remain the property of the City, but the Company shall keep and maintain such tracks and electrical equipment in good order and repair, and in such manner as shall be approved and directed by the Commissioner of Bridges, and shall furnish all motive power required by the Commissioner of Bridges for the operation of its cars. If deemed necessary by the Commissioner of Bridges, the Company shall install and operate a system of signals to insure the safe and efficient operation of cars; such system to be approved by the Commissioner of Bridges. In the event of any necessity for changing the layout of tracks, curves, switches, sidings or platforms on the bridge in order to facilitate operation of cars by the Company, said Company must do all the work and furnish all the labor and tools necessary for effecting such changes, which shall all be made under the control and direction of the Commissioner of Bridges, and no such changes or construction connected therewith, or relating thereto, shall be made unless the plan or plans for the same have been first submitted to the Commissioner of Bridges and approved by him.

If, however, the tracks and appliances herein mentioned are used by any other individual or corporation, then the Company shall bear only such proportion of the cost imposed by the terms and conditions of this paragraph as the use of such track and appliances by the Company bears to the entire use of such tracks and appliances.

Third—Before beginning the operation of the cars, the Company shall file with the Commissioner of Bridges a statement for his approval and assent as to the type of car which it proposes to operate, and a sketch showing clearance dimensions, weight on axles and wheel spacing, or such other information as may be required by said Commissioner. All cars operated over the bridge by the Company, and all equipment and appliances relating to such operation shall be subject at all times to the inspection of the Commissioner of Bridges or his authorized representatives, who shall have power to forbid the entrance to the bridge of cars which may, for any reason, be unsatisfactory, and who shall have power to direct the removal of any old or inadequate appliance and the substitution therefor of appliances of approved character.

Said Commissioner may adopt rules and regulations in regard to the number of cars to be operated over the bridge, the rate of speed of said cars, the movement and headway thereof, the type and weight of cars to be used and the condition thereof; the switching of cars and the use of platforms, and the control of the electrical current used by the Company, and the said Commissioner may alter and amend any such rules and regulations so as to secure the safety and comfort of persons using the bridge, and preserve the purposes for which the bridge was constructed, and, upon serving notice upon the Company that such rules and regulations have been made, amended or altered, the Company shall comply with all the requirements thereof.

Fourth—The Company shall not operate cars upon the Queensboro Bridge until the Company shall have put in operation the railway upon the route hereinbefore described upon East Fifty-ninth and Sixtieth streets to the entrance to the Queensboro Bridge.

Fifth—Nothing in this contract shall be deemed to affect, in any way, the right of the Commissioner of Bridges to make any alterations or changes in the construction, operation or management of the bridge, or to affect, in any way, the control of such Commissioner over such bridge, as provided by the Charter of the City.

Sec. 4—The grant of the said rights and privileges to construct, maintain and operate a street surface railway from the intersection of Third avenue and East Fifty-ninth and Sixtieth streets, to the westerly entrance to the Queensboro Bridge, upon the route hereinbefore described, and to operate cars upon the Queensboro Bridge and its approaches thereto, are both subject to the following conditions, which shall be complied with by the Company:

First—The Company shall pay to the City for the privilege hereby granted the following sums of money:

(a) The sum of one hundred dollars ($100) in cash within three (3) months after the date on which this contract is signed by the Mayor, and before anything is done in exercise of the privilege hereby granted.

(b) During the first term of five (5) years, an annual sum which shall in no case be less than fourteen hundred dollars ($1,400), and which shall be equal to three (3) per cent. of its gross annual receipts, if such percentage shall exceed the sum of fourteen hundred dollars ($1,400).

During the second term of five (5) years, an annual sum which shall in no case be less than twenty-six hundred dollars ($2,600), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of twenty-six hundred dollars ($2,600).

During the third term of five (5) years, or during such portion of said term as this contract shall be in force, an annual sum which shall in no case be less than twenty-eight hundred and fifty dollars ($2,850), and shall be equal to five (5) per cent. of its gross annual receipts if such percentage shall exceed the sum of twenty-eight hundred and fifty dollars ($2,850).

During the fourth term of five (5) years, or during such portion of said term as this contract shall be in force, an annual sum which shall in no case be less than thirty-one hundred dollars ($3,100), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of thirty-one hundred dollars ($3,100).

During the remaining term of five (5) years, or during such portion of said term as this contract shall be in force, an annual sum which shall in no case be less than thirty-five hundred dollars ($3,500), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of thirty-five hundred dollars ($3,500).

The gross receipts mentioned above shall be the gross earnings of the Company from all sources within the limits of the City.

The portion of such gross receipts which is derived from passenger cars shall be equal to all cash received for fares upon the railway which the Company is hereby authorized to operate, and the Company shall keep separate and accurate accounts of such cash fares received.

The payment of such minimum sums shall begin from the day on which this contract is signed by the Mayor.

(c) For the use of the tracks owned by the City upon the Queensboro Bridge the sum of five cents for each round trip, or the sum of two and one-half cents for each single trip of each and every car operated upon the bridge.

The number of such cars shall be certified by the Commissioner of Bridges to the Comptroller once each month in such form as shall be designated by the Comptroller.

(d) The Company shall pay to the City four (4) per cent. per annum upon the cost of all tracks owned by the City and used by the Company upon the bridge approach in the Borough of Queens between the entrance to the bridge and Jackson avenue; provided, however, that if such tracks are used by any other company or companies, then the Company shall only pay such portion of four (4) per cent. per annum upon the cost thereof as shall be proportionate to the use of such tracks by the Company.

The Commissioner of Bridges shall determine such amounts due the City and certify the same to the Comptroller.

All annual charges, as above, shall be paid into the treasury of the City on November 1 of each year, and shall be for the amount due to September 30 next preceding; provided, that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year.

Whenever the percentage required to be paid shall exceed the minimum amount, as above, then such sum over and above such minimum shall be paid on or before November 1 in each year for the year ending September 30 next preceding.

The annual charges herein provided are intended to include the percentages of gross receipts now required to be paid by railway companies to the City, pursuant to the Railroad Law as amended.

Any and all payments to be made by the terms of this contract to the City by the Company shall not be considered in any manner in the nature of a tax, but such payments shall be made in addition to any and all taxes of whatsoever kind or description, now or hereafter required to be paid by any ordinance of the City, or resolution of the Board, or any law of the State of New York.

Second—The annual charges or payments shall continue throughout the whole term of this contract, notwithstanding any clause in any statute or in the charter of any other railway or railroad company providing for payment for railway or railroad rights or franchises at a different rate, and no assignment, lease or sublease of the rights or privileges hereby granted, or of any part thereof, or of any of the routes mentioned herein, or of any part thereof, shall be valid or effectual for any purpose unless the said assignment, lease or sublease shall contain a covenant on the part of the assignee or lessee that the same is subject to all the conditions of this contract, and that the assignee or lessee assumes and will be bound by all of said conditions, and especially said conditions as to payments, anything in any statute or in the charter of such assignee or lessee to the contrary notwithstanding, and that the said assignee or lessee waives any more favorable conditions created by such statute or its charter, and that it will not claim by reason thereof or otherwise exemption from liability to perform each and all of the conditions of this contract.

Third—The rights and privileges hereby granted shall not be assigned, either in whole or in part, or leased or sublet in any manner, nor shall the title thereto, or right, interest or property therein, pass to or vest in any other person or corporation whatsoever, either by the act of the Company or by operation of law, whether under the provisions of the statutes relating to the consolidation or merger of corporations or otherwise, without the consent of the City, acting by the Board, evidenced by an instrument under seal, anything herein contained to the contrary thereof in any wise notwithstanding, and the granting, giving or waiving of any one or more of such consents shall not render unnecessary any subsequent consent or consents.

Fourth—Said railway shall be constructed and operated in the latest approved manner of street railway construction and operation, and it is hereby agreed that the Board may require the Company to improve or add to the railway equipment, including rolling stock and railway appurtenances, from time to time, as such additions and improvements are necessary, in the opinion of the Board. Upon failure on the part of the Company to comply with the directions of the Board within a reasonable time, the rights hereby granted shall cease and determine.

Fifth—The rate of fare for any passenger upon said railway shall not exceed five (5) cents, and the Company shall not charge any passenger more than five (5) cents for one continuous ride from any point on said railway, or a line or branch operated in connection therewith, to any point thereof, or of any connecting line or branch thereof within the limits of the City.

The Company shall arrange that transfers be exchanged with the company or companies operating the lines of the Third Avenue Railroad Company, the Forty-second Street, Manhattanville and St. Nicholas Avenue Railway Company, Kingsbridge Railway Company and the Dry Dock, East Broadway and Battery Railroad Company, whereby passengers shall be given a continuous ride over all of said lines, including the lines of the Third Avenue Bridge Company herein provided for, for a single fare of five cents. It is expressly agreed, however, that the foregoing shall not include a transfer and ride over the Williamsburg Bridge for such single fare.

In the event of the failure at any time of the Company or any of the other companies whose lines are covered by the said provisions as to transfers or of the successors or assigns of such company or companies, for any reason whatsoever to exchange transfers as hereinabove provided, this franchise shall *ipso facto* become void and forfeited.

The Company shall carry free upon the railway hereby authorized during the term of this contract all members of the Police and Fire Departments of the City, when such employees are in full uniform.

Sixth—No cars shall be operated upon the railway hereby authorized other than passenger cars, cars for the transportation of express matter and cars necessary for the repair or maintenance of the railway, and no freight cars shall be operated upon the tracks of said railway.

Seventh—The rate for the carrying of such property over the said railway upon the cars of the Company shall in all cases be reasonable in amount, subject to the control of the Board, and may be fixed by the Board after notice to the Company and a hearing had thereon, and when so fixed such rates shall be binding upon the Company, and no greater sums shall be charged for such services than provided for by it.

Eighth—All cars operated on said railway shall be well lighted by electricity, or by some lighting system equally efficient, or as may be required by resolution of the Board.

Ninth—Cars on the said railway shall run at intervals of not more than thirty (30) minutes both day and night, and as much oftener as reasonable convenience of the public may require, or as may be directed by the Board.

Tenth—The Company shall attach to each car run over the said railway proper fenders and wheel guards, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Eleventh—All cars which are operated on said railway shall be heated during the cold weather, in conformity with such laws and ordinances as are now in force, or may hereafter, during the term of this contract, be enacted or adopted by the State or City authorities, or as may be required by resolution of the Board.

Twelfth—The Company shall submit to the Board a report not later than November 1 of each year for the year ending September 30 next preceding, and at any other time, upon request of the Board, which shall state:

1. The amount of stock issued, for cash, for property.
2. The amount paid in as by last report.
3. The total amount of capital stock paid in.
4. The funded debt by last report.
5. The total amount of funded debt.
6. The floating debt as by last report.
7. The total amount of floating debt.
8. The total amount of funded and floating debt.
9. The average rate per annum of interest on funded debt.
10. Statement of dividends paid during the year.
11. The total amount expended for same.
12. The names of the directors elected at the last meeting of the corporation held for such purpose.
13. Location, value and amount paid for real estate owned by the Company as by last report.
14. Location, value and amount paid for real estate now owned by the Company.
15. Number of passengers carried during the year.
16. Total receipts of Company for each class of business.
17. Amounts paid by the Company for damage to persons or property on account of construction and operation.
18. Total expenses for operation, including salaries—and such other information in regard to the business of the Company as may be required by the Board.

Thirteenth—The Company shall at all times keep accurate books of account of the gross earnings from all sources within the limits of the City, and shall, on or before November 1 of each year, make a verified report to the Comptroller of the City of the business done by the Company for the year ending September 30 next preceding in such form as he may prescribe. Such report shall contain a statement of such gross earnings, the total miles in operation within the limits of the City and the miles of railway constructed and operated under this contract, and such other information as the Comptroller may require. The Comptroller shall have access to all books of the Company for the purpose of ascertaining the correctness of its report, and may examine its officers under oath.

Fourteenth—In case of any violation or breach or failure to comply with any of the provisions herein contained, this contract may be forfeited by a suit brought by the Corporation Counsel, on notice of ten (10) days to the Company, or at the option of the Board by resolution of said Board, which said resolution may contain a provision to the effect that the railway constructed and in use by virtue of this contract shall thereupon become the property of the City without proceedings at law or in equity. Provided, however, that such action by the Board shall not be taken until the Board shall give notice to the Company to appear before it on a certain day not less than ten (10) days after the date of such notice, to show cause why such resolution declaring the contract forfeited should not be adopted. In case the Company fails to appear, action may be taken by the Board forthwith.

Fifteenth—If the Company shall fail to give efficient public service at the rates herein fixed, or fail to maintain its structures and equipment as herein provided in good condition throughout the whole term of this contract, the Board may give notice to the Company specifying any default on the part of the Company, and requiring the Company to remedy the same within a reasonable time; and upon failure of the Company to remedy such default within a reasonable time, the Company shall, for each day thereafter during which the default or defect remains, pay to the City the sum of two hundred and fifty dollars ($250) as fixed or liquidated damages, or the Board, in case such structures or equipment which may affect the surface of the streets shall not be put in good condition within a reasonable time after notice by the Board as aforesaid, shall have the right to make all needed repairs at the expense of the Company, in which case the Company shall pay to the City the amount of the cost of such repairs, with legal interest thereon, all of which sums may be deducted from the fund hereinafter provided for.

Sixteenth—The Company shall assume all liability to persons or property by reason of the construction or operation of the railway authorized by this contract, and it is a condition of this contract that the City shall assume no liability whatsoever, to either persons or property, on account of the same, and the Company hereby agrees to repay to the City any damage which the City shall be compelled to pay by reason of any acts or default of the Company.

Seventeenth—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of one hundred dollars ($100), either in money or securities to be approved by him, which fund shall be security for the performance by the Company of all the terms and conditions of this contract, especially those which relate to the payment of the annual charges for the privilege granted, the rendering of efficient public service at the rates herein fixed, the repairs of the street pavement, the removal of snow and ice and the quality of construction of the railway, and in case of default in the performance by the Company of such terms and conditions the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or, after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice in writing to the Company; or in case of failure to keep the said terms and conditions of this contract relating to the headway, heating and lighting of cars, fenders, wheelguards, and watering of street pavements, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, and the further sum of ten dollars ($10) per day for each car that shall not be properly heated, lighted or supplied with fenders or wheelguards, in case of the violation of the provisions relating to those matters.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company directing its president, or other officer, to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing, appears, in the judgment of the Board, to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security bond deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice in writing, pay to the City a sum sufficient to restore said security fund to the original amount of one hundred dollars ($100), and in default thereof this contract shall be canceled and annulled at the option of the Board, acting in behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City.

Eighteenth—The words "notice" or "direction," wherever used in this contract, shall be deemed to mean a written notice or direction. Every such notice or direction to be served upon the Company shall be delivered at such office in the City as shall have been designated by the Company, or if no such office shall have been

DAMAGED PAGE(S)

designated, or if such designation shall have for any reason become inoperative, shall be mailed in the City, postage prepaid, addressed to the Company at the City. Delivery or mailing of such notice or direction as and when above provided, shall be equivalent to direct personal notice or direction, and shall be deemed to have been given at the time of delivery or mailing.

Nineteenth—The words "streets or avenues" and "streets and avenues," wherever used in this contract, shall be deemed to mean "streets, avenues, highways, parkways, driveways, concourses, boulevards, bridges, viaducts, tunnels, public places or any other property to which the City has title," encountered in the route hereinabove described, and upon or in which authority is hereby given to the Company to construct a railway.

Twentieth—If at any time the powers of the Board or any other of the authorities herein mentioned or intended to be mentioned shall be transferred by law to any other Board, authority, officer or officers, then and in such case such other Board, authority, officer or officers shall have all the powers, rights and duties herein reserved to or prescribed for the Board or other authorities, officer or officers.

Sec. 5. Nothing in this contract shall be construed as in any way limiting the present or future jurisdiction of the Public Service Commission under the laws of the State of New York.

Sec. 6. This grant is also upon the further and express condition that the provisions of the Railroad Law pertinent hereto shall be strictly complied with by the Company.

Sec. 7. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed the day and year first above written.

THE CITY OF NEW YORK,
By....., Mayor.
[CORPORATE SEAL.]
Attest:
....., City Clerk.
THIRD AVENUE BRIDGE COMPANY,
By....., President.
[SEAL.]
Attest:
....., Secretary.

Resolved, That the results of the inquiry made by this Board as to the money value of the franchise or right proposed to be granted, and the adequacy of the compensation proposed to be paid therefor and of the terms and conditions, including the provision as to rates, fares and charges, are as hereinbefore specified and fully set forth in and by the foregoing form of proposed contract for the grant of such franchise or right.

Resolved, That these preambles and resolutions, including the said resolution for the grant of the franchise or right applied for by the Third Avenue Bridge Company, and the said form of proposed contract for the grant of such franchise or right containing said results of such inquiry, after the same shall be entered in the minutes of the Board, shall be published for at least twenty days immediately prior to Thursday, December 23, 1909, in the CITY RECORD, and for at least fourteen days immediately prior to Thursday, December 23, 1909, in two daily newspapers, to be designated by the Mayor therefor and published in The City of New York, at the expense of the Third Avenue Bridge Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the grant of the franchise or right applied for by the Third Avenue Bridge Company, and fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board to be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Thursday, December 23, 1909, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

JOSEPH HAAG, Secretary.
Dated New York, November 19, 1909.
n30,d23

PUBLIC NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN that at the meeting of the Board of Estimate and Apportionment held this day, the following proceedings were had:

Whereas, The City of New York, by a contract signed by the Mayor on May 20, 1909, granted to the South Shore Traction Company the right to construct, maintain and operate a street surface railroad upon certain streets, avenues, highways and public places set forth in said contract, which contract, including all the terms and conditions thereof, was duly accepted by said Company; and

Whereas, The South Shore Traction Company has, under date of September 23, 1909, made application to this Board for certain modifications and alterations in the terms and conditions of the aforesaid franchise, as fully set forth in said petition; and

Whereas, Section 92 of the Railroad Law, and sections 72, 73 and 74 of the Greater New York Charter, as amended by chapters 629 and 630 of the Laws of 1905, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on November 12, 1909, fixing the date for public hearing thereon as December 10, 1909, at which citizens are entitled to appear and be heard, and publication is to be had for at least fourteen (14) days in the New York "American" and the "Morning Telegraph," newspapers designated by the Mayor, and in the CITY RECORD for ten (10) days immediately prior to the date of hearing, and the public hearing is to be duly held on such day; and

Whereas, The Board has made inquiry as to the proposed modifications and amendments of said contract, and has adopted a resolution that certain of said modifications and amendments are desirable and in the public interest, and that the causes stated by said South Shore Traction Company why certain of the conditions contained in said contract should be changed are just and reasonable; and

Whereas, This Board has made inquiry as to the money value of the franchise or right applied for as amended by the contract, and the adequacy of the compensation proposed to be paid therefor; now therefore it is

Resolved, That the following form of the resolution for the consent or right applied for by the South Shore Traction Company, containing the form of proposed contract for the grant of such right, be hereby introduced, and entered in the minutes of this Board, as follows, to wit:

Resolved, That the Board of Estimate and Apportionment hereby consents to certain changes, alterations and amendments in the terms and conditions of the contract between The City of New York and the South Shore Traction Company, signed by the Mayor on May 20, 1909, such modified terms and conditions being fully set out and described in the following form of proposed contract for the grant thereof, embodying such terms and conditions as modify or alter said contract, which said contract otherwise remains unchanged as to all the other terms and conditions expressed therein, including the provisions as to rates, fares and charges upon and subject to the terms and conditions in said proposed form of contract contained, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

This contract, made the day of , 1909, by and between The City of New York (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and the South Shore Traction Company, a domestic railroad corporation (hereinafter called the Traction Company), party of the second part, witnesseth:

Whereas, The City of New York, by contract signed by the Mayor on May 20, 1909, granted to the South Shore Traction Company the right to build, construct, maintain and operate a certain street surface railroad from the Manhattan terminal of the Queensboro Bridge, across said bridge; thence over streets, avenues and highways in said contract named, to the point where Central avenue crosses the city line, upon certain conditions therein fully set forth; and

Whereas, The said South Shore Traction Company has applied to the Board, as local authority of The City of New York, by verified petition dated September 23, 1909, for the consent of such local authority for the modification of the said contract, in accordance with such petition, in the following manner, to wit:

(a) In section 2, paragraph third, certain words to be added after the word "Mayor," in the sixth line of said paragraph, making the first part of this clause read as follows (new words are in italics):

"Third—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway, shall be obtained by the Company within six (6) months from the signing of this contract by the Mayor, *and the approval of the construction of this line by the Public Service Commission, as required by the* Public Service Commission Law," etc.

(b) Section 4, subdivision (a) of the First paragraph to be entirely stricken out, this clause reading as follows:

"(a) The sum of twenty thousand dollars ($20,000) in cash within three (3) months after the date on which this contract is signed by the Mayor."

(c) Section 4, first paragraph, subdivision (e), latter part of this subdivision to be changed to read as follows:

"Such payments shall begin on the day when the *operation of the railroad on* the tracks on said viaduct shall begin."

(d) Section 4, first paragraph, the clause now reading:

"The annual charges shall commence from the date upon which this contract is signed by the Mayor."

—to be changed to read:

"The annual charges shall commence from the date upon which the *railway of the Company is first put in operation between Jamaica and the Queensboro Bridge, except as herein otherwise provided.*"

(e) The last suggested change makes it necessary to strike out the last six lines of the clause directly following this one, namely, that portion of the clause reading as follows:

"Provided that the first annual payment shall be only for that portion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following shall bear to the whole of one year."

(f) Section 4, first paragraph, second clause of subdivision (b) to be changed to read as follows:

"During *the remainder of the term hereby granted* an annual sum, which shall in no case be less than seven thousand dollars ($7,000) and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of seven thousand dollars";

—and that the third, fourth and fifth clauses of said subdivision be stricken out.

(g) Section 4, first paragraph, last clause, to be amended to read as follows:

"*No* payments to be made by the terms of this contract to The City of New York by the Company *except those mentioned and described in section 4, paragraph first, subdivision (b),* shall be considered in any manner in the nature of a tax, but such payments shall be in addition to any and all taxes of whatsoever kind or description now or hereafter required to be paid by any ordinance of the City or by any law of the State of New York."

(h) Section 4, paragraph seventeen, the first part of said paragraph to be changed to read as follows:

"Seventeenth—The Company within three months after the signing of this contract by the Mayor, *and within three months after the issuance to it of a certificate by the Public Service Commission necessary to enable it to begin the construction of its line,* and before anything is done in the exercise of the rights hereby conferred," etc.

Two additional clauses to be inserted as follows:

(i) "Any sum or sums of money paid by the Company to The City of New York, or any officer thereof, or any cash or securities dpposited with said City, or any officer thereof, in compliance with the terms of the contract existing between The City of New York and the Company, dated the 20th day of May, 1909, and not called for or required by the terms of said contract as the same is hereby amended, shall, upon the request of the Company, duly made in writing, be returned to the Company by The City of New York or the proper officer or officers thereof."

(j) "Any and all terms and conditions of this contract may, with the consent of the Company, be amended, changed or modified from time to time as the same shall be deemed necessary or advisable by the Board of Estimate and Apportionment, or the successor or successors of said Board in the exercise of the powers now vested in said Board"; and

Whereas, The Board has made inquiry as to the proposed modifications and amendments of said contract, and has adopted a resolution that certain of the said modifications and amendments are desirable and in the public interest, and that the causes stated by the said South Shore Traction Company why certain of the conditions contained in said contract should be changed are just and reasonable; now, therefore, in consideration of the premises and of the mutual covenants herein contained, the parties do hereby covenant and agree as follows:

Section 1. The City hereby consents to certain changes, alterations and amendments in and to the contract between The City of New York and the South Shore Traction Company, signed by the Mayor on May 20, 1909, which changes are subject to the following conditions:

First—All the terms and conditions contained in the said contract signed by the Mayor on May 20, 1909, shall remain unchanged, except as follows:

Section 2. Paragraph Third—Amend the paragraph to read as follows:

"Third—The consent in writing of the owners of half in value of the property bounded on said streets and avenues to the construction and operation of said railway, shall be obtained by the Company within twelve (12) months from the signing of this contract by the Mayor, and a copy of such consent shall be filed with the Board within such time, but the Board may, for cause shown, grant an additional period not exceeding three (3) months within which to obtain and file such consents of property owners, or in the event that such consents cannot be obtained within such time, or such extension of such time as shall be granted by the Board, the Company shall, within one (1) month thereafter, make application to the Appellate Division of the Supreme Court for the appointment of Commissioners in the manner provided by the Railroad Law to determine if said railway ought to be constructed; otherwise this grant shall cease and determine."

Section 4, first paragraph, subdivision (a), to be amended to read as follows:

"The sum of one thousand dollars ($1,000) in cash within three (3) months after the date on which this contract is signed by the Mayor.

"In the event that the Company has paid or may hereafter pay to the City an initial cash payment in excess of the stated amount of one thousand dollars ($1,000), such excess payment shall, upon the request of the Company duly made in writing, be returned to the Company by The City of New York or the proper officer or officers thereof."

Section 4, First Paragraph, Subdivision (b)—Strike out the second, third, fourth and fifth clauses of said subdivision and insert in place of same the following second clause:

"During the remainder of the term hereby granted, an annual sum, which shall in no case be less than seven thousand dollars ($7,000), and which shall be equal to five (5) per cent. of its gross annual receipts, if such percentage shall exceed the sum of seven thousand dollars."

Section 4, First Paragraph, Subdivision (e)—Strike out the last sentence of this subdivision, reading, "Such payments shall begin on the day when the construction of the tracks on said viaduct shall begin," and insert in place of same the sentence:

"Such payments shall begin on the day when the operation of the railroad on the tracks on said viaduct shall begin."

Section 4, First Paragraph—Strike out the clause now reading, "The annual charges shall commence from the date upon which this contract is signed by the Mayor," and insert in place of same the following clause:

"The annual charges shall commence from the date upon which the railway of the company is first put in operation, other than the operation of the railway known as the local Queensborough Bridge service."

Section 4, First Paragraph—Amend the clause reading, "All annual charges as above shall be paid into the Treasury of the City on November 1 of each year, and shall be for the amount due to September 30 next preceding; provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which this contract is signed by the Mayor and September 30 following, shall bear to the whole of one year," by striking out all of the second sentence of the clause beginning with the word "provided" and ending with the word "year," and inserting a new second sentence, so that the clause so amended will read as follows:

"All annual charges as above shall be paid into the treasury of the City on November 1 of each year, and shall be for the amount due to September 30 next preceding. Provided that the first annual payment shall be only for that proportion of the first annual charge as the time between the date upon which the operation as above is commenced and September 30 following shall bear to the whole of one year."

Section 4, First Paragraph, Last Clause—Strike out this clause, beginning with the words "Any and all payments," and ending with the words "State of New York," and substitute in place of the same the following clause:

"No payments to be made by the terms of this contract to The City of New York by the Company except those mentioned and described in section 4, paragraph first, subdivision (b), shall be considered in any manner in the nature of a tax, but such payments shall be in addition to any and all taxes of whatsoever kind or description now or hereafter required to be paid by any ordinance of The City or by any law of the State of New York."

Sec. 2. The South Shore Traction Company promises, covenants and agrees on its part and behalf to conform to and abide by all the terms, conditions and requirements in this contract fixed and contained.

In witness whereof, the party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By....., Mayor.
[CORPORATE SEAL.]
Attest:
....., City Clerk.
SOUTH SHORE TRACTION COMPANY,
By....., President.
[SEAL.]
Attest:
....., Secretary.
(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the proposed right and the adequacy of the compensation proposed to be paid therefor, and of the terms and conditions, including the provisions as to rates, fares and charges, are as hereinbefore specified and fully set forth in said contract signed by the Mayor on May 20, 1909, as amended by the foregoing form of proposed contract for the consent to such modifications and alterations, mentioned therein.

Resolved, That these preambles and resolutions, including said resolution for the consent of The City of New York to certain of the modifications and alterations as applied for by the South Shore Traction Company, and said form of proposed contract for the grant of said franchise or right containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published for at least twenty (20) days immediately prior to December 23, 1909, in the CITY RECORD, and at least twice during the ten (10) days immediately prior to December 23, 1909, in two daily newspapers to be designated by the Mayor therefor and published in The City of New York, at the expense of the South Shore Traction Company, together with the following notice, to wit:

Notice is hereby given that the Board of Estimate and Apportionment, before authorizing any contract for the consent of The City of New York to certain modifications and alterations in the contract entered into by The City of New York and the South Shore Traction Company, signed by the Mayor on May 20, 1909, such modifications and alterations being set forth and described in the foregoing form of proposed contract for the grant of such right, and before adopting any resolution authorizing any such contract, will, at a meeting of said Board, to be held in the Old Council Chamber, in the City Hall, Borough of Manhattan, City of New York, on December 23, 1909, at 10.30 o'clock a. m., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

JOSEPH HAAG, Secretary.
Dated New York, November 19, 1909.
n30,d23

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK, CENTRAL DEPARTMENT, BOROUGH OF MANHATTAN.

SEALED BIDS OR ESTIMATES WILL BE received by the Police Commissioner at the office of the Bookkeeper of the Police Department of The City of New York, Broome, Grand and Centre streets, Manhattan, until 10 o'clock a. m. on

FRIDAY, DECEMBER 31, 1909.

FOR FURNISHING AND DELIVERING FIVE DOUBLE PATROL WAGONS FOR THE USE OF THE POLICE DEPARTMENT OF THE CITY OF NEW YORK.

The time for the delivery of the labor, materials and supplies and the performance of the contract is ninety (90) days.

The amount of security shall be fifty (50) per cent. of the bid or estimate.

The bidder must state the price for the work and materials furnished and wagons complete.

The bids will be compared and the Police Department will award the contract to the lowest bidder for the whole number of wagons.

The wagons must be delivered within The City of New York, as directed by the Police Commissioner.

For particulars as to the kind of wagons required reference must be made to the specifications.

Bidders are requested to make their bids or estimates upon the blank form prepared by the Commissioner, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the said Commissioner, and any further information can be obtained at the office of the Inspector of Repairs and Supplies, Headquarters of the Police Department, Broome, Grand and Centre streets, Manhattan, in The City of New York.

WILLIAM F. BAKER,
Police Commissioner.
The City of New York, December 18, 1909.
d18,31

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

PUBLIC NOTICE IS HEREBY GIVEN that the one hundred and fifteenth public auction sale, consisting of condemned Police Department horses and dogs, will be held at Nos. 153 and 155 East Thirty-second street, Manhattan, on

THURSDAY, DECEMBER 23, 1909,

at 11 a. m.:

Lot No. 1, horse "Dean," No. 261.
Lot No. 2, horse "Wolf," No. 371.
Lot No. 3, horse "Quip," No. 622.
Lot No. 4, horse "Fashion," No. 338.
Lot No. 5, horse "Bondage," No. 306.
Lot No. 6, horse "Modoc," No. 191.
Lot No. 7, horse "Saladin," No. 601.
Lot No. 8, horse "Nomad," No. 588.
Lot No. 9, horse "Oxnard," No. 92.
Lot No. 10, horse "Hanover," No. 244.
Lot No. 11, horse "Electric," No. 331.
Lot No. 12, horse "Marbles," No. 266.
Lot No. 13, horse "Pontente," No. 364.
Lot No. 14, dog "Jack," No. 29.
Lot No. 15, dog "Blake," No. 30.
Lot No. 16, dog "Jules," No. 33.
Lot No. 17, dog "Musette," No. 34.
Lot No. 18, dog "Dot," No. 35.
Lot No. 19, dog "Blondie," No. 36.
Lot No. 20, dog "Joan," No. 37.

WILLIAM F. BAKER,
Police Commissioner.
d10,23

POLICE DEPARTMENT—CITY OF NEW YORK.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

WILLIAM F. BAKER,
Police Commissioner.

POLICE DEPARTMENT—CITY OF NEW YORK, BOROUGH OF BROOKLYN.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York—Office, No. 209 State street, Borough of Brooklyn—for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

WILLIAM F. BAKER,
Police Commissioner.

DAMAGED PAGE(S)

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at the City Hall, Room 16, until 2 o'clock p. m. on

THURSDAY, DECEMBER 30, 1909,

No. 1. FOR REGULATING AND REPAVING WITH SHEET ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF FIRST STREET, FROM HOUSTON STREET TO THE EAST SIDE OF AVENUE A.

Engineer's estimate of amount of work to be done:

430 square yards of asphalt pavement, including binder course, except in railroad area.
190 square yards of asphalt pavement, including binder course, in railroad area (no guarantee).
120 cubic yards of Portland cement concrete.
280 linear feet of new bluestone curbstone, furnished and set.
10 linear feet of old bluestone curbstone, redressed, rejointed and reset.
1 noiseless head and cover, complete, for water manhole, furnished and set.
600 square yards of old stone blocks, to be purchased and removed by contractor.

Time allowed for doing and completing above work is twenty (20) working days.

The amount of security required is Six Hundred Dollars ($600).

No. 2. FOR REGULATING AND REPAVING WITH SHEET ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF TWELFTH STREET, FROM THE WEST SIDE OF AVENUE D TO THE EAST SIDE OF AVENUE B.

Engineer's estimate of amount of work to be done:

4,700 square yards of asphalt pavement, including binder course.
930 cubic yards of Portland cement concrete.
2,750 linear feet of new bluestone curbstone, furnished and set.
50 linear feet of old bluestone curbstone, redressed, rejointed and reset.
13 noiseless heads and covers, complete, for sewer manholes, furnished and set.
4 noiseless heads and covers, complete, for water manholes, furnished and set.
4,600 square yards of old stone blocks, to be purchased and removed by contractor.

Time allowed for doing and completing above work is fifty (50) working days.

Amount of security required is Four Thousand Five Hundred Dollars ($4,500).

No. 3. FOR REGULATING AND REPAVING WITH SHEET ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF THIRTEENTH STREET, FROM THE EAST SIDE OF FIRST AVENUE TO THE WEST SIDE OF AVENUE D.

Engineer's estimate of amount of work to be done:

9,130 square yards of asphalt pavement, including binder course.
1,790 cubic yards of Portland cement concrete.
5,130 linear feet of new bluestone curbstone, furnished and set.
150 linear feet of old bluestone curbstone, redressed, rejointed and reset.
28 noiseless heads and covers, complete, for sewer manholes, furnished and set.
8 noiseless heads and covers, complete, for water manholes, furnished and set.
9,040 square yards of old stone blocks to be purchased and removed by contractor.

Time allowed for doing and completing above work is sixty (60) working days.

Amount of security required is Eight Thousand Dollars ($8,000).

No. 4. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF AVENUE B, FROM THE NORTH SIDE OF EIGHTEENTH STREET TO THE SOUTH SIDE OF TWENTIETH STREET.

Engineer's estimate of amount of work to be done:

1,510 square yards of granite block pavement with paving cement joints.
1,460 square yards of old stone blocks to be purchased and removed by contractor.
310 cubic yards of Portland cement concrete.
840 linear feet of new bluestone curbstone, furnished and set.
20 linear feet of old bluestone curbstone, redressed, rejointed and reset.
560 square feet of new granite bridgestone furnished and laid.

Time allowed for doing and completing above work is thirty (30) working days.

Amount of security required is One Thousand Five Hundred Dollars ($1,500).

No. 5. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF AVENUE D, FROM THE SOUTH SIDE OF ELEVENTH STREET TO THE SOUTH SIDE OF FOURTEENTH STREET.

Engineer's estimate of amount of work to be done:

1,100 square yards of granite block pavement with paving cement joints, except in the railroad area.
1,710 square yards of granite block pavement with paving cement joints, within the railroad area (no guarantee).
570 cubic yards of Portland cement concrete.
1,460 linear feet of new bluestone curbstone furnished and set.
40 linear feet of old bluestone curbstone, redressed, rejointed and reset.
1,230 square feet of new granite bridgestone furnished and laid.
2,800 square yards of old stone blocks to be purchased and removed by the contractor.

Time allowed for doing and completing above work is forty (40) working days.

Amount of security required is Three Thousand Dollars ($3,000).

No. 6. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF NINETEENTH STREET, FROM THE EAST SIDE OF AVENUE A TO THE EAST RIVER.

Engineer's estimate of amount of work to be done:

3,910 square yards of granite block pavement, with paving cement joints.
3,830 square yards of old stone blocks, to be purchased and removed by the contractor.
770 cubic yards of Portland cement concrete.
2,260 linear feet of new bluestone curbstone, furnished and set.
50 linear feet of old bluestone curbstone, redressed, rejointed and reset.
90 square feet of new granite bridgestone, furnished and laid.

Time allowed for doing and completing above work is forty (40) working days.

Amount of security required is Three Thousand Five Hundred Dollars ($3,500).

No. 7. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF TWENTY-FIRST STREET, FROM THE EAST SIDE OF FIRST AVENUE TO THE EAST RIVER.

Engineer's estimate of amount of work to be done:

4,780 square yards of granite block pavement, with paving cement joints.
4,730 square yards of old stone blocks, to be purchased and removed by the contractor.
940 cubic yards of Portland cement concrete.
2,740 linear feet of new bluestone curbstone, furnished and set.
100 linear feet of old bluestone curbstone, redressed, rejointed and reset.

Time allowed for doing and completing above work is fifty (50) working days.

Amount of security required is Five Thousand Dollars ($5,000).

No. 8. FOR REGULATING AND REPAVING WITH SHEET ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF SEVENTEENTH STREET, FROM 234 FEET WEST OF THE WEST CURB LINE OF AVENUE C TO THE EAST SIDE OF FIRST AVENUE.

Engineer's estimate of amount of work to be done:

4,200 square yards of asphalt pavement, including binder course, except in railroad area.
1,800 square yards of asphalt pavement, including binder course, in railroad area (no guarantee).
1,180 cubic yards of concrete.
3,350 linear feet of new bluestone curbstone, furnished and set.
210 linear feet of old bluestone curbstone, redressed, rejointed and reset.
18 noiseless heads and covers, complete, for sewer manholes, furnished and set.
9 noiseless heads and covers, complete, for water manholes, furnished and set.
5,960 square yards of old stone blocks, to be purchased and removed by the contractor.

Time allowed for doing and completing above work is sixty (60) working days.

Amount of security required is Five Thousand Dollars ($5,000).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure, or article, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, Nos. 13 to 21 Park row, Bureau of Highways, Room 1607, Borough of Manhattan.

JOHN CLOUGHEN, Acting President.

The City of New York, December 18, 1909.

d18,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan at the City Hall, Room 16, until 2 o'clock

TUESDAY, DECEMBER 28, 1909.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR SEWER AND APPURTENANCES IN THEATRE ALLEY, BETWEEN ANN AND BEEKMAN STREETS.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required, is as follows:

206 linear feet of sewer, viz.:
206 linear feet of brick sewer of 3-foot 6-inch by 2-foot 4-inch interior diameters, all complete.
30,000 feet (B. M.) of timber and planking for bracing and sheet piling or flooring over trench or for tunnel timbering.

The time allowed to complete the whole work will be sixty (60) working days.

The amount of the security required will be Two Thousand Dollars ($2,000).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total.

Blank forms may be had and the plans and drawings may be seen at the office of the Commissioner of Public Works, Nos. 13 to 21 Park row, Bureau of Sewers, Borough of Manhattan.

City of New York, December 16, 1909.

JOHN CLOUGHEN, Acting President, Borough of Manhattan.

d16,28

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF WATER SUPPLY.

CONTRACT No. 52.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply, in Room 910, No. 299 Broadway, New York, until 11 a. m., on

TUESDAY, JANUARY 11, 1910,

FOR CONTRACT No. 52.

FOR THE CONSTRUCTION OF PORTIONS OF THE WHITE PLAINS DIVISION OF THE CATSKILL AQUEDUCT.

The work includes three tunnels on the hydraulic gradient, aggregating 1.6 miles in length, one being 17 feet high by 13⅓ feet wide inside and two 17½ feet high by 13¾ feet wide inside, and about 2.8 miles of plain concrete conduit known as cut-and-cover aqueduct, 17½ feet high by 18 feet wide inside. The work is located in the Towns of Mount Pleasant and Greenburgh, Westchester County, N. Y.

An approximate statement of the quantities of the various classes of work and further information are given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board of Water Supply as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

Two or more bonds, the aggregate amount of which shall be Four Hundred and Seventy-five Thousand Dollars ($475,000), will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York, to the amount of Fifty Thousand Dollars ($50,000).

Time allowed for the completion of the work is thirty-six (36) months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., and pamphlets of contract drawings, can be obtained at Room 906, at the above address, upon application, in person or by mail, by depositing the sum of ten dollars ($10) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet, or twenty dollars ($20) for each set. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

JOHN A. BENSEL, President;
CHARLES N. CHADWICK,
CHARLES A. SHAW,
Commissioners of the Board of Water Supply.

J. WALDO SMITH, Chief Engineer.
THOMAS HASSETT, Secretary.

Note—See General Instructions to Bidders on last page, last column, of the CITY RECORD, so far as applicable hereto and not otherwise provided for.

d20,j11

CONTRACT P.

SEALED BIDS WILL BE RECEIVED BY the Board of Water Supply in Room 910, No. 299 Broadway, New York, until 11 a. m., on

WEDNESDAY, DECEMBER 22, 1909,

For Contract P—FOR FURNISHING AND DELIVERING OILS.

The quantities of the various items of supplies are stated in the bid or proposal, and further information is given in the Information for Bidders, forming part of the contract. At the above place and time bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board of Water Supply as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond for the sum of thirty-five per cent. (35%) of the total amount of the contract will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York, to the amount of Two Hundred Dollars ($200).

Time allowed for the completion of the work is until June 30, 1910.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., can be obtained at Room 906 at the above address upon application in person or by mail by depositing the sum of five dollars ($5) in currency, or check drawn to the order of the Board of Water Supply, for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

JOHN A. BENSEL, President;
CHARLES N. CHADWICK,
CHARLES A. SHAW,
Commissioners of the Board of Water Supply.

J. WALDO SMITH, Chief Engineer.
THOMAS HASSETT, Secretary.

Note—See general instructions to bidders on last page, last column, of the CITY RECORD, so far as applicable hereto, and not otherwise provided for.

d4 22

OFFICIAL PAPERS.

Morning—"The Sun," "The New York Times."

Evening—"The Globe," "The Evening Mail."

Weekly—"Democracy," "Tammany Times."

German—"Staats-Zeitung."

Designated by the Board of City Record, January 22, 1906. Amended March 1, 1906; November 20, 1906; February 20, 1907, and March 5, 1908.

DEPARTMENT OF HEALTH.

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK, SOUTHWEST CORNER FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m. on

TUESDAY, JANUARY 4, 1910.

FOR FURNISHING ALL THE LABOR AND MATERIALS NECESSARY OR REQUIRED TO FURNISH AND INSTALL ELECTRIC AND GAS LIGHTING FIXTURES, ETC., WITH ALL NECESSARY ALTERATIONS AND OTHER WORK INCIDENTAL THERETO, IN THE OFFICE BUILDING AT FLEET AND WILLOUGHBY STREETS, BOROUGH OF BROOKLYN, CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contract is forty-five (45) consecutive working days.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and plans for the above work and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan, City of New York.

THOMAS DARLINGTON, M. D., President;
ALVAH H. DOTY, M. D.,
WILLIAM F. BAKER,
Board of Health.

Dated December 21, 1909.

d20,j4

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF HEALTH, CORNER OF FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m. on

THURSDAY, DECEMBER 30, 1909.

FOR FURNISHING AND DELIVERING MEAT TO THE WILLARD PARKER, RECEPTION, RIVERSIDE AND KINGSTON AVENUE HOSPITALS, AND THE HOSPITALS FOR CONTAGIOUS EYE DISEASES OF THE DEPARTMENT OF HEALTH, CITY OF NEW YORK, DURING THE YEAR 1910.

FOR FURNISHING AND DELIVERING MILK TO THE WILLARD PARKER, RECEPTION, RIVERSIDE AND KINGSTON AVENUE HOSPITALS, AND THE HOSPITALS FOR CONTAGIOUS EYE DISEASES OF THE DEPARTMENT OF HEALTH, CITY OF NEW YORK, DURING THE YEAR 1910.

FOR FURNISHING AND DELIVERING, AS REQUIRED, BREAD, FISH, ICE, MINERAL WATERS, VEGETABLES AND FRUITS TO THE WILLARD PARKER, RECEPTION, RIVERSIDE AND KINGSTON AVENUE HOSPITALS, AND THE HOSPITALS FOR CONTAGIOUS EYE DISEASES, AND ICE ONLY TO THE DEPARTMENT DISINFECTING STATIONS, LABORATORIES AND OFFICE BUILDINGS OF THE DEPARTMENT OF HEALTH, CITY OF NEW YORK, IN THE VARIOUS BOROUGHS, DURING THE YEAR 1910.

FOR FURNISHING AND DELIVERING WHITE ASH ANTHRACITE COAL, AS REQUIRED, TO THE DEPARTMENT STEAMBOATS IN THEIR BUNKERS, AS DIRECTED, THE PLACE FOR COALING TO BE LOCATED ALONG THEIR ROUTES, BETWEEN THE FOOT OF EAST SIXTEENTH STREET, BOROUGH OF MANHATTAN, AND NORTH BROTHER ISLAND, BOROUGH OF THE BRONX, CITY OF NEW YORK, OR AT DOCKS WITHIN A RADIUS OF TWO MILES OF THE TERMINAL POINTS, ON THE EAST RIVER, DURING THE YEAR 1910.

FOR FURNISHING AND DELIVERING WHITE ASH ANTHRACITE COAL, AS REQUIRED, TO THE VARIOUS OFFICE BUILDINGS, HOSPITALS AND DISINFECTION STATIONS OF THE DEPARTMENT OF HEALTH, IN THE DIFFERENT BOROUGHS OF THE CITY OF NEW YORK, DURING THE YEAR 1910.

The time for the delivery of the supplies and the performance of the contract is during the year 1910.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded to the lowest bidder for each class or item, as indicated by the specifications.

Blank forms and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.

THOMAS DARLINGTON, M. D., President;
ALVAH H. DOTY, M. D.,
WILLIAM F. BAKER,
Board of Health.

Dated December 18, 1909.

d18,30

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF HEALTH, CORNER OF FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m. on

WEDNESDAY, DECEMBER 22, 1909.

FOR FURNISHING AND DELIVERING PLUMBING MATERIALS, FIXTURES AND FITTINGS TO BE USED IN THE CONSTRUCTION AND EQUIPMENT OF VARIOUS BUILDINGS NOW ERECTED OR PROPOSED FOR ERECTION UPON THE GROUNDS OF THE TUBERCULOSIS SANATORIUM, AT OTISVILLE, ORANGE COUNTY, NEW YORK.

The time for the delivery of the supplies and the performance of the contract is within thirty (30) days after the date of the certification of the contract by the Comptroller.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded to the lowest bidder for the contract complete, as indicated by the specifications.

Blank forms and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan.

THOMAS DARLINGTON, M. D., President;
ALVAH H. DOTY, M. D.,
WILLIAM F. BAKER,
Board of Health.

Dated December 11, 1909.

d11,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF HEALTH, CORNER OF FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health until 10 o'clock a. m. on

WEDNESDAY, DECEMBER 22, 1909.

FOR FURNISHING ALL THE NECESSARY LABOR, IMPLEMENTS AND MATERIALS REQUIRED TO DRAIN APPROXIMATELY EIGHTY-ONE ACRES OF SALT MEADOW LAND IN THE VICINITY OF JAMAICA, BOROUGH OF QUEENS, CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contract is sixty (60) consecutive working days.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and plans for the above work and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan, City of New York.

THOMAS DARLINGTON, M. D., President;
ALVAH H. DOTY, M. D.,
WILLIAM F. BAKER,
Board of Health.

Dated December 11, 1909.

d11,22

☞ See General Instructions to Bidders on the last page, last column, of the "City Record."

SUPREME COURT—FIRST DEPARTMENT.

FIRST DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of TWO HUNDRED AND TWENTY-FIFTH STREET (MUSCOOTA

STREET) (although not yet named by proper authority), from Broadway to the line dividing the Boroughs of Manhattan and The Bronx, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 6th day of January, 1910, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon, and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, December 22, 1909.

CAMBRIDGE LIVINGSTON,
NATHAN FERNBACHER,
FERDINAND LEVY,
Commissioners of Estimate;
CAMBRIDGE LIVINGSTON,
Commissioner of Assessment.

JOHN P. DUNN, Clerk.

d22,j4

FIRST DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for easements for the purpose of constructing trunk sewers in SEWERAGE DISTRICT 43, lying southerly of Westchester avenue, between Westchester Creek and Bronx River, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, more particularly shown on a map or plan adopted by the Board of Estimate and Apportionment on November 25, 1904, and filed in the office of the Register of New York County on May 4, 1905.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter up to and including December 13, 1909, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held in the County Court House, in the Borough of Manhattan, in The City of New York, on the 4th day of January, 1910, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon, and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, December 20, 1909.

T. CHANNON PRESS,
MARTIN C. DYER,
JOHN E. CONNOLLY,
Commissioners.

JOHN P. DUNN, Clerk.

d20,27

FIRST JUDICIAL DISTRICT.

In the matter of the application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to PIER (OLD) NO. 36, or MARKET SLIP PIER WEST, EAST RIVER, in the Borough of Manhattan, City of New York, not now owned by The City of New York, and all right, title and interest in and to said pier, or any portion thereof, not now owned by The City of New York, and all wharfage rights, terms, easements, emoluments and privileges appurtenant to certain bulkheads, dock or wharf property on or near the southerly line of South street, in said Borough and City, lying on both the easterly and westerly sides of said Pier (Old) No. 36, or Market Slip Pier West, not now owned by The City of New York, for the improvement of the water-front of The City of New York on the East River, pursuant to the plan heretofore adopted by the Board of Docks and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at a Special Term thereof, Part I., to be held at the County Court House in The City of New York, Borough of Manhattan, on the 31st day of December, 1909, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, and that said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated New York, December 17, 1909.

EDWARD D. FARRELL,
Chairman;
SILAS P. LEVERIDGE,
JAMES R. SLOANE,
Commissioners.

JOSEPH M. SCHENCK, Clerk.

d18,30

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of an addition to BRONX PARK, on its easterly side, as laid out on the map on July 7, 1905, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 31st day of December, 1909, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, December 18, 1909.

JOSEPH J. MARRIN,
MICHAEL RAUCH,
WILLIAM G. FISHER,
Commissioners.

JOHN P. DUNN, Clerk.

d18,30

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of WEST ONE HUNDRED AND FIFTY-SEVENTH STREET, between Broadway and Audubon place, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN THAT BY an order of the Supreme Court of the State of New York, bearing date the 9th day of December, 1909, and duly entered and filed in the office of the Clerk of the County of New York on the 11th day of December, 1909, Charles P. Dillon, Michael J. Quigg and Richard F. Murphy, Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding; that in and by said order Charles P. Dillon was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statute in such case made and provided, that the said Charles P. Dillon, Michael J. Quigg and Richard F. Murphy, Esqs., will attend at a Special Term of said Court, to be held at Part II. thereof at the County Court House in the Borough of Manhattan, City of New York, on the 28th day of December, 1909, at the opening of the Court on that day, for the purpose of being examined under oath by the Corporation Counsel, or any person having any interest in said proceeding, as to their qualifications to act as such Commissioners in said proceeding.

Dated New York, December 15, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan.

d15,28

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of HAVEN AVENUE, from its present terminus at West One Hundred and Seventieth street to Fort Washington avenue at or about West One Hundred and Sixty-eighth street, and WEST ONE HUNDRED AND SIXTY-NINTH STREET, from Fort Washington avenue to Haven avenue, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, bearing date the 9th day of December, 1909, and duly entered and filed in the office of the Clerk of the County of New York on the 11th day of December, 1909, Bernard F. Martin, Denis A. McAuliffe and Jay Coogan, Jr., Esqs., were appointed Commissioners of Estimate in the above-entitled proceeding; that in and by said order Denis A. McAuliffe was appointed the Commissioner of Assessment.

Notice is further given that, pursuant to the statute in such case made and provided, the said Bernard F. Martin, Denis A. McAuliffe and Jay Coogan Jr., Esqs., will attend at a Special Term of said Court to be held at Part II. thereof, at the County Court House, in the Borough of Manhattan, City of New York, on the 28th day of December, 1909, at the opening of the Court on that day, for the purpose of being examined under oath by the Corporation Counsel or any person having any interest in said proceeding as to their qualifications to act as such Commissioners in said proceeding.

Dated New York, December 15, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d15,28

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of the UNNAMED STREET, located south of Boscobel place and extending from Undercliff avenue to Aqueduct avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 28th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of the unnamed street, located south of Boscobel place and extending from Briarcliff avenue to Aqueduct avenue, being the following described pieces or parcels of land:

Beginning at a point in the eastern line of Undercliff avenue distant 64.59 feet southwesterly from the first angle point in said eastern line of Undercliff avenue southwesterly from Undercliff place;

1. Thence southwesterly along the eastern line of Undercliff avenue for 20 feet;

2. Thence southeasterly deflecting 89 degrees 3 minutes 13 seconds to the left for 203.65 feet to the western line of Aqueduct avenue;

3. Thence northeasterly along last mentioned line for 20 feet;

4. Thence northwesterly for 203.96 feet to the point of beginning.

Unnamed street, located south of Boscobel place, extending from Undercliff avenue to Aqueduct avenue, is shown on a map or plan entitled "Map or Plan of Section 15 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards of The City of New York," filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of The City of New York, on December 16, 1895, in the office of the Register of the County of New York on December 17, 1895, as Map No. 1065, and in the office of the Secretary of State of the State of New York on December 17, 1895.

The land to be taken for unnamed street is located in Blocks 2533 and 2537 of Section 9 of the Land Map of The City of New York.

The Board of Estimate and Apportionment, on the 29th day of January, 1909, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on the line between the Twenty-third and Twenty-fourth Wards distant 100 feet northwesterly from the northwesterly line of Lind avenue, the said distance being measured at right angles to the line of Lind avenue, and running thence northeastwardly along a line always distant 100 feet northwesterly from and parallel with the northwesterly lines of Lind avenue and Aqueduct avenue to a point distant 100 feet southwesterly from the southwesterly line of the unnamed street; thence northwestwardly and parallel with the unnamed street and the prolongation thereof to a point distant 100 feet northwesterly from the northwesterly line of Undercliff avenue; thence northeastwardly and always parallel with and distant 100 feet from the northwesterly line of Undercliff avenue to the intersection with the prolongation of a line distant 100 feet northeasterly from and parallel with the northeasterly line of the unnamed street, the said distance being measured at right angles to the line of the unnamed street; thence southeastwardly along the said line parallel with the unnamed street and the prolongation thereof to a point distant 100 feet northwesterly from the northwesterly line of Aqueduct avenue; thence northeastwardly and parallel with Aqueduct avenue to the intersection with the southwesterly line of Boscobel place; thence southeastwardly along the southwesterly line of Boscobel place to a point midway between Ogden avenue and Boscobel avenue; thence southwardly along a line midway between Ogden avenue and Boscobel avenue as laid out immediately adjoining Boscobel place, and along the prolongation of the said line to the intersection with a line at right angles to Ogden avenue as laid out adjacent to Aqueduct avenue, and passing through the angle point on its westerly side immediately southerly therefrom; thence westwardly along the said line at right angles to Ogden avenue to a point distant 100 feet easterly from the easterly line of Merriam avenue; thence southwardly and parallel with Merriam avenue to the intersection with the prolongation of a line midway between Merriam avenue and Ogden avenue as laid out between West One Hundred and Seventieth and West One Hundred and Seventy-first streets; thence southwestwardly along the said line midway between Merriam avenue and Ogden avenue to the intersection with the northeasterly line of West One Hundred and Seventieth street; thence northwestwardly along the northeasterly line of West One Hundred and Seventieth street to the southeasterly line of Merriam avenue; thence westwardly in a straight line to the intersection of the southwesterly line of West One Hundred and Seventieth street with the northwesterly line of Merriam avenue; thence northwestwardly along the southwesterly line of West One Hundred and Seventieth street to the intersection with the prolongation of a line midway between Lind avenue and Merriam avenue as these streets are laid out immediately north of West One Hundred and Sixty-ninth street; thence southwestwardly along the said line midway between Lind avenue and Merriam avenue to the intersection with the line between the Twenty-third and Twenty-fourth Wards; thence westwardly along the said line between the Twenty-third and Twenty-fourth Wards to the point or place of beginning.

Dated New York, December 14, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d14,28

FIRST DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of CASTLE HILL AVENUE, from West Farms road to the public place at its southern terminus, and the PUBLIC PLACE at the southern terminus of Castle Hill avenue fronting on Westchester Creek, the East River and Pugsleys Creek, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter from May 17, 1909, up to and including December 13, 1909, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 27th day of December, 1909, at 10.30 o'clock in forenoon of that day or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated Borough of Manhattan, New York, December 14, 1909.

TIMOTHY F. DRISCOLL,
GEORGE W. KEARNEY,
CHARLES KNIGHT,
Commissioners of Estimate.

JOHN P. DUNN, Clerk.

d14,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of METCALF AVENUE (although not yet named by proper authority), from Bronx River avenue, near Bronx River to East One Hundred and Seventy-seventh street, and BRONX RIVER AVENUE (although not yet named by proper authority), from Lacombe avenue to Metcalf avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 24th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York for the use of the public to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of Metcalf avenue, from Bronx River avenue, near Bronx River and East One Hundred and Seventy-seventh street, and Bronx River avenue, from Lacombe avenue to Metcalf avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, being the following described pieces or parcels of land:

Parcel A.

Beginning at a point in the southwesterly line of Clasons Point road distant 1,090.43 feet southeasterly from the intersection of said southwesterly line of Clasons Point road with the southern line of Westchester avenue;

1. Thence southeasterly along the southwestern line of Clasons Point road for 230.66 feet;

2. Thence westerly deflecting 118 degrees 28 minutes 55 seconds to the right for 10 feet;

3. Thence southerly deflecting 90 degrees to the left for 4,321.88 feet;

4. Thence southeasterly curving to the right on the arc of a circle of 1,875.55 feet radius for 277.67 feet, the radius of said circle drawn southwesterly from the southern extremity of the preceding course deflects 56 degrees 49 minutes 52 seconds to the right from the prolongation of the said course;

5. Thence southwesterly for 102.01 feet on a line deflecting 11 degrees 4 minutes 28 seconds to the right from the radius of the preceding course drawn from its southern extremity;

6. Thence northwesterly curving to the left on the arc of a circle of 1,775.55 feet radius for 420.39 feet, the radius of said circle drawn southwesterly from the western extremity of the preceding course deflects 11 degrees 42 minutes 24 seconds to the left from the prolongation of said course;

7. Thence northeasterly for 100 feet on the prolongation of the radius of the preceding course drawn through its northern extremity;

8. Thence easterly deflecting 38 degrees 53 minutes 5 seconds to the right for 10 feet;

9. Thence northerly for 4,373.37 feet, to the point of beginning.

Parcel B.

Beginning at a point in the northeasterly line of Clasons Point road distant 853.12 feet southeasterly from the intersection of said northeasterly line of Clasons Point road with the southern line of Westchester avenue;

1. Thence southeasterly along the northeasterly line of Clasons Point road for 230.66 feet;

2. Thence northerly deflecting 151 degrees 31 minutes 5 seconds to the left for 1,050.40 feet to the southern line of Westchester avenue;

3. Thence southwesterly along last mentioned line for 101.78 feet;

4. Thence southerly deflecting 79 degrees 16 minutes 51 seconds to the left for 828.77 feet;

5. Thence westerly for 10 feet, to the point of beginning.

Parcel C.

Beginning at a point in the southern line of East One Hundred and Seventy-seventh street distant 3,608.95 feet northwesterly from the intersection of said line with the western line of the public place at the junction of Westchester avenue with East One Hundred and Seventy-seventh street;

1. Thence northwesterly along the southern line of East One Hundred and Seventy-seventh street for 117.14 feet;

2. Thence southerly deflecting 121 degrees 23 minutes 30 seconds to the left for 2,565.73 feet to the northern line of Westchester avenue;

3. Thence northeasterly along last mentioned line for 101.78 feet;

4. Thence northerly for 2,485.79 feet, to the point of beginning.

Metcalf avenue, from Bronx River avenue to East One Hundred and Seventy-seventh street, and Bronx River avenue, from Lacombe avenue to Metcalf avenue, are shown on a map or plan entitled: "Map or plan showing the locating, laying out and the grades of Randall avenue, from United States pier and bulkhead line of Bronx River to Leland avenue; and from Havemeyer avenue to United States bulkhead line of Westchester Creek; Lacombe avenue, from United States pier and bulkhead line of Bronx River to St. Lawrence avenue, and from Castle Hill avenue to United States bulkhead line of Westchester Creek; Metcalf avenue, from Bronx River avenue to East One Hundred and Seventy-seventh street; Bronx River avenue, from Fteley avenue to Metcalf avenue; Patterson avenue, from Commonwealth avenue to St. Lawrence avenue; Commonwealth avenue, from Lacombe avenue to Patterson avenue, and Taylor avenue, from Lacombe avenue to Ludlow avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York. Prepared by the President of the Borough of The Bronx under authority of chapter 466 of the Laws of 1901." Which map was filed in the office of the President of the Borough of The Bronx on April 20, 1908; in the office of the Register of the County of New York on April 17, 1908, as Map No. 1265; and in the office of the Counsel to the Corporation of The City of New York on April 17, 1908, in pigeonhole 97.

Metcalf avenue, from Bronx River avenue to Seward avenue, and Bronx River avenue, from Lacombe avenue to Metcalf avenue, are shown on section 48 of the final maps of the Borough of The Bronx, which maps were prepared by the President of the Borough of The Bronx, under authority of chapter 466 of the Laws of 1901 and amendatory acts. And filed in the office of the President of the Borough of The Bronx on November 10, 1908; in the office of the Register of the County of New York on November 9, 1908, as Map No. 1301; and in the office of the Counsel to the Corporation of The City of New York on or about the same date in pigeonhole 110.

Metcalf avenue, from Seward avenue to Westchester avenue, is shown on a map or plan of section 39 of the final maps of the Borough of The Bronx, which maps were prepared by the President of the Borough of The Bronx, under authority of chapter 466 of the Laws of 1901 and amendatory acts. And filed in the office of the President of the Borough of The Bronx on November 10, 1908; in the office of the Register of the County of New York on November 9, 1908, as Map No. 1302; and in the office of the Counsel to the Corporation of The City of New York on or about the same date in pigeonhole 110.

Land taken for Metcalf avenue and Bronx River avenue is located east of Bronx River.

The Board of Estimate and Apportionment on the 27th day of March, 1908, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on the northeasterly bulkhead line of Bronx River, where it is intersected by the prolongation of a line midway between Elder avenue and Genner avenue, and running thence northwardly along the said line midway between Elder avenue and Genner avenue to the intersection with the southeasterly property line of the New York, New Haven and Hartford Railroad; thence northeastwardly along the said property line of the New York, New Haven and Hartford Railroad to the intersection with the prolongation of a line midway between St. Lawrence avenue and Beach avenue, as laid out between Mansion street and West Farms road; thence southwardly along the said line midway

between St. Lawrence avenue and Beach avenue and the prolongation thereof to the intersection with the prolongation of a line midway between St. Lawrence avenue and Beach avenue, as laid out between Westchester avenue and Lacombe avenue; thence southwardly along the said line midway between St. Lawrence avenue and Beach avenue and the prolongation thereof to a point distant 100 feet southerly from the southerly line of Lacombe avenue; thence westwardly parallel with Lacombe avenue and always distant 100 feet therefrom, to the northeasterly bulkhead line of the Bronx River; thence northwestwardly along the said bulkhead line to the point or place of beginning.

Dated New York, December 13, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d13,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of EAST ONE HUNDRED AND SEVENTY-FOURTH STREET, between West Farms road and Bronx River avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court-house, in the Borough of Manhattan, City of New York, on the 24th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by The City of New York for the use of the public to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of East One Hundred and Seventy-fourth street, between West Farms road and Bronx River avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, being the following-described pieces or parcels of land:

Beginning at a point in the eastern line of West Farms road distant 837.73 feet southerly from the intersection of the eastern line of West Farms road with the southern line of East One Hundred and Seventy-sixth street;

1. Thence southerly along the eastern line of West Farms road for 10.04 feet to the northern line of East One Hundred and Seventy-fourth street (legally opened March 16, 1896);

2. Thence easterly along last mentioned line for 212 feet to the eastern line of East One Hundred and Seventy-fourth street (legally opened March 16, 1896);

3. Thence southerly along last mentioned line for 64.26 feet to the southern line of East One Hundred and Seventy-fourth street (legally opened March 16, 1896);

4. Thence westerly along last mentioned line for 232.82 feet to the eastern line of West Farms road;

5. Thence southwesterly along the eastern line of West Farms road for 10 feet;

6. Thence easterly for 746.11 feet on a line deflecting 1 degree 17 minutes 27 seconds to the left from the prolongation of the radius of the preceding course drawn through its southern extremity;

7. Thence southerly deflecting 55 degrees 30 minutes 4 seconds to the right for 89.97 feet;

8. Thence northeasterly deflecting 137 degrees 40 minutes 7 seconds to the left for 155.60 feet;

9. Thence westerly for 821.18 feet to the point of beginning.

East One Hundred and Seventy-fourth street, from West Farms road to Bronx River avenue, is shown on a map or plan entitled "Map or Plan showing the widening of East One Hundred and Seventy-fourth street, between West Farms road and the Bronx River; laying out a bridge across the Bronx River on the line of East One Hundred and Seventy-fourth street and extending the street and adjusting the grades of the same, from Bronx River to Bronx River avenue, in the Twenty-fourth Ward, Borough of The Bronx, City of New York. Prepared by the President of the Borough of The Bronx, under authority of chapter 466 of the Laws of 1901." Which map was filed as follows: In the office of the President of the Borough of The Bronx, on April 29, 1909; in the office of the Register of the County of New York, on April 27, 1909, as Map No. 1330; and in the office of the Counsel to the Corporation of The City of New York, on April 27, 1909, in pigeonhole No. 115.

Land taken for East One Hundred and Seventy-fourth street is located in Block 3020 of Section 11 of the Land Map of The City of New York, and also east of Bronx River.

The Board of Estimate and Apportionment on the 6th day of November, 1908, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on a line midway between East One Hundred and Seventy-third street and East One Hundred and Seventy-second street, where it is intersected by a line midway between Longfellow avenue and Boone avenue, and running thence northwardly along the said line midway between Longfellow avenue and Boone avenue, as these streets are laid out south of East One Hundred and Seventy-fourth street, to the southerly line of East One Hundred and Seventy-sixth street; thence northwardly at right angles to the line of East One Hundred and Seventy-sixth street to a point distant 100 feet northerly from its northerly line; thence eastwardly and parallel with East One Hundred and Seventy-fourth street and the prolongation thereof to the intersection with the prolongation of a line midway between Morrison avenue and Harrod avenue, as these streets are laid out south of Watson avenue; thence southwardly along the said prolongation of a line midway between Morrison avenue and Harrod avenue to the intersection with the prolongation of a line midway between Randolph avenue and Beacon avenue, as these streets are laid out between Noble avenue and Rosedale avenue; thence westwardly along the said prolongation of a line midway between Randolph avenue and Beacon avenue to the intersection with the prolongation of a line midway between East One Hundred and Seventy-third street and East One Hundred and Seventy-second street; thence westwardly along the said line midway between East One Hundred and Seventy-third street and East One Hundred and Seventy-second street and the prolongation thereof to the point or place of beginning.

Dated New York, December 13, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d13,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired in fee, to the lands and premises required for the opening and extending of the UNNAMED STREET extending from Amsterdam avenue at West One Hundred and Sixty-fifth street to Audubon avenue, and also of the PUBLIC PARK bounded by the said unnamed street, West One Hundred and Sixty-fifth street and Audubon avenue, in the Twelfth Ward, Borough of Manhattan, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 24th day of December, 1909, at the opening of Court on that day, or as soon thereafter as Counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of the unnamed street, extending from Amsterdam avenue at West One Hundred and Sixty-fifth street to Audubon avenue, and also of the Public Park bounded by the said unnamed street, West One Hundred and Sixty-fifth street and Audubon avenue, being the following-described pieces or parcels of land, viz.:

Beginning at a point in the easterly line of Audubon avenue, distant 89.71 feet northerly from the northerly line of West One Hundred and Sixty-fifth street; thence easterly, distance 374.79 feet to a point in the westerly line of Amsterdam avenue, distant 30 feet northerly from West One Hundred and Sixty-fifth street; thence southerly along said line, distance 30 feet to the northerly line of West One Hundred and Sixty-fifth street; thence westerly along said northerly line, distance 127.96 feet; thence westerly and parallel and distant 50 feet southerly from the first course, distance 245.17 feet, to the easterly line of Audubon avenue; thence northerly along said line, distance 50.65 feet, to the point or place of beginning.

A Public Park.

Beginning at a point the northeasterly corner of Audubon avenue and West One Hundred and Sixty-fifth street; thence northerly along the easterly line of Audubon avenue, distance 39.06 feet; thence easterly and along the southerly line of a new street, distance 245.17 feet to the northerly line of West One Hundred and Sixty-fifth street; thence westerly along the northerly line of said street, distance 242.04 feet, to the northeasterly corner of Audubon avenue and West One Hundred and Sixty-fifth street, the point or place of beginning.

Said street and park are found in Section 8, Block 2123 of the land map of the Borough of Manhattan, City of New York, and as shown on a certain map or plan entitled "Map, Plan and Profile of a new street to be known as Croton place and a Public Park on the northerly side of West One Hundred and Sixty-fifth street, between Amsterdam avenue and Audubon avenue, in the Twelfth Ward, Borough of Manhattan, City of New York." Filed in the offices of the President of the Borough of Manhattan, Register of the County of New York and the Corporation Counsel of The City of New York on or about the 18th day of August, 1909.

The Board of Estimate and Apportionment on the 2d day of July, 1909, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on the prolongation of a line midway between West One Hundred and Sixty-second street and West One Hundred and Sixty-third street, as these streets are laid out between Amsterdam avenue and Edgecombe road, distant 100 feet easterly from the easterly line of Edgecombe road, the said distance being measured at right angles to Edgecombe road, and running thence westwardly along the said line midway between West One Hundred and Sixty-second street and West One Hundred and Sixty-third street to the easterly line of Amsterdam avenue; thence westwardly in a straight line to a point on the westerly line of St. Nicholas avenue midway between West One Hundred and Sixty-second street and West One Hundred and Sixty-third street;, thence westwardly along a line midway between West One Hundred and Sixty-second street and West One Hundred and Sixty-third street, as these streets are laid out west of St. Nicholas avenue, to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Broadway, the said distance being measured at right angles to Broadway; thence northwardly along the said line parallel with Broadway to the intersection with the prolongation of a line midway between West One Hundred and Sixty-seventh and West One Hundred and Sixty-eighth streets as these streets are laid out between Broadway and Amsterdam avenue; thence eastwardly along the said line midway between West One Hundred and Sixty-seventh street and West One Hundred and Sixty-eighth street, and along the prolongations of the said line to the intersection with a line distant 100 feet northeasterly from and parallel with the northeasterly line of West One Hundred and Sixty-seventh street as laid out between Amsterdam avenue and Edgecombe road, the said distance being measured at right angles to West One Hundred and Sixty-seventh street; thence southeastwardly along the said line parallel with West One Hundred and Sixty-seventh street, and along the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Edgecombe road, the said distance being measured at right angles to Edgecombe road; thence southwardly and always distant 100 feet easterly from and parallel with the easterly line of Edgecombe road to the point or place of beginning.

Dated New York, December 13, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d13,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of ELWOOD STREET, from Broadway to Hillside avenue, in the Twelfth Ward, Borough of Manhattan, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 24th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of Elwood street, from Broadway to Hillside avenue, being the following described pieces or parcels of land:

Beginning at a point in the southerly line of Sherman avenue, distant 270.28 feet westerly from Sickles street; thence southerly and parallel to Dyckman street, distance 694.96 feet to the northerly line of Nagle avenue; thence westerly along said line, distance 60 feet; thence northerly and parallel to first course 679.48 feet to the southerly line of Sherman avenue; thence easterly along said line and in a curved line radius 362.29 feet, distance 62.04 feet to the point or place of beginning.

Also, beginning at a point in the southerly line of Nagle avenue distant 1,050 feet from Dyckman street; thence southerly and in continuation of the first course mentioned in this description, distance 403.31 feet to the northerly line of Hillside avenue; thence southwesterly along said line, distance 14.90 feet; thence in a curved line to the right radius 200 feet, distance 55.82 feet; thence northerly and parallel to first course, distance 440.19 feet to the southerly line of Nagle avenue; thence easterly along said line, distance 60 feet to the point or place of beginning.

Said street to be found in Section 8, Blocks 2171, 2172, 2173 and 2174 of the land map of the Borough of Manhattan, City of New York, and is shown on a certain map entitled "Map or survey streets, roads and public squares and places that have been laid out by the Commissioners of the Central Park within that part of The City of New York to the northwardly of the southerly line of One Hundred and Fifty-fifth street, in pursuance of an act entitled 'An act to provide for the laying and improving of certain portions of the City and County of New York,' passed April 24, 1865, filed by said Commissioners in the office of the Department of Public Works, the Department of Public Parks, and the Secretary of State of the State of New York on or about the 25th day of May, 1869, and in the office of the Register of The City of New York on or about the 27th day of May, 1869."

The Board of Estimate and Apportionment on the 7th day of May, 1909, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Bounded on the east by a line midway between Elwood street and Sickles street and by the prolongations of the said line; on the south by a line always distant 100 feet southerly from and parallel with the southerly line of Hillside avenue, the said distance being measured at right angles to Hillside avenue; on the west by a line distant 135 feet westerly from and parallel with the westerly line of Elwood street and by the prolongations of the said line, the said distance being measured at right angles to Elwood street; and on the north by the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Sherman avenue as laid out between Sickles street and Arden street, the said distance being measured at right angles to Sherman avenue.

Dated New York, December 13, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d13,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of the PUBLIC PLACE at the intersection of Mosholu avenue and Broadway, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in Part III. thereof, in and for the County of New York, in the County Court House, in the Borough of Manhattan, City of New York, on the 24th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and one Commissioner of Assessment in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee by The City of New York, for the use of the public, to all the lands and premises, together with the buildings thereon and the appurtenances thereunto belonging, required for the opening and extending of the public place at the intersection of Mosholu avenue and Broadway, being the following described pieces or parcels of land:

Beginning at a point in the western line of Broadway distant 364.61 feet southerly from the intersection of said line with the southerly line of West Two Hundred and Fifty-ninth street.

1. Thence southerly along the western line of Broadway for 163.99 feet to the northern line of Mosholu avenue;

2. Thence northwesterly along last mentioned line for 194.48 feet;

3. Thence easterly curving to the left on the arc of a circle of 50 feet radius and tangent to the preceding course for 50.16 feet;

4. Thence easterly on a line tangent to the preceding course for 61.59 feet;

5. Thence easterly curving to the left on the arc of a circle of 25 feet radius and tangent to the preceding course for 35.62 feet to the point of beginning.

The public place at the intersection of Mosholu avenue and Broadway is shown on Section 25 of the final maps and profiles of the Twenty-third and Twenty-fourth Wards, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of The City of New York, on November 22, 1895; in the office of the Register of the City and County of New York, on November 23, 1895, as Map No. 1062, and in the office of the Secretary of State of the State of New York on November 23, 1895.

Land to be taken for the public place is located in Block 3423 of the land map of The City of New York.

The Board of Estimate and Apportionment on the 8th day of October, 1909, duly fixed and determined the area of assessment for benefit in this proceeding as follows:

Beginning at a point on a line midway between Newtown avenue and Broadway distant 100 feet southwesterly from the southwesterly line of Mosholu avenue, the said distance being measured at right angles to the line of Mosholu avenue; and running thence northwestwardly and westwardly along a line always 100 feet distant from and parallel with the southwesterly and southerly lines of Mosholu avenue to the intersection with the prolongation of a line midway between Spencer avenue and Huxley avenue; thence northwardly along the said line midway between Spencer avenue and Huxley avenue and the prolongation thereof to a point distant 100 feet southerly from the southerly line of West Two Hundred and Fifty-ninth street; thence eastwardly along a line always distant 100 feet from and parallel with the southerly line of West Two Hundred and Fifty-ninth street to the intersection with a line midway between Newtown avenue and Broadway; thence northwardly along the said line midway between Newtown avenue and Broadway to the intersection with a line midway between West Two Hundred and Fifty-ninth street and West Two Hundred and Sixtieth street; thence eastwardly along the said line midway between West Two Hundred and Fifty-ninth street and West Two Hundred and Sixtieth street and the prolongation of the said line to a point distant 100 feet easterly from the easterly line of Broadway; thence southwardly and always distant 100 feet from and parallel with the easterly line of Broadway to the intersection with a line at right angles to Broadway, and passing through a point on its westerly side distant 100 feet northerly from the northerly line of West Two Hundred and Fifty-sixth street, the said distance being measured at right angles to the line of West Two Hundred and Fifty-sixth street; thence westwardly along the said line at right angles to Broadway to its westerly side; thence westwardly and parallel with West Two Hundred and Fifty-sixth street to the intersection with a line midway between Newtown avenue and Broadway; thence northwardly along the said line midway between Newtown avenue and Broadway to the point or place of beginning.

Dated New York, December 13, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, Borough of Manhattan, City of New York.

d13,24

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening of the PUBLIC PARK, located on the easterly side of Boulevard Lafayette, distant about 1,300 feet north of West One Hundred and Eighty-first street; and the PUBLIC PARK, located easterly of the northerly end of the parcel before described in the Twelfth Ward, Borough of Manhattan, City of New York.

WE, THE UNDERSIGNED COMMISSIONers of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 5th day of January, 1910, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 10th day of January, 1910, at 3 o'clock p. m.

Second—That the abstract of our said estimate of damage, together with our damage maps, and also all the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said City, there to remain until the 13th day of January, 1910.

Third—That, provided there be no objections filed to said abstract, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 22d day of March, 1910, at the opening of the Court on that day.

Fourth—In case, however, objections are filed to said abstract of estimate of damage, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the CITY RECORD, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, December 8, 1909.

CHARLES W. DAYTON, JR.,
Chairman;
SAMUEL SANDERS,
Commissioners.

JOHN P. DUNN, Clerk.

d13,j3

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of AUSTIN PLACE (although not yet named by proper authority), from St. Josephs street to intersection of East One Hundred and Forty-ninth street, in the Twenty-third Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House in the Borough of Manhattan in The City of New York, on the 24th day of December, 1909, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the Office of the Clerk of the County of New York, there to remain for and during the space

of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, December 11, 1909.

T. CHANNON PRESS,
JAMES H. GOGGIN,
JACOB DUX,
Commissioners.

JOHN P. DUNN, Clerk.

d11,22

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to WEST TWO HUNDRED AND EIGHTEENTH STREET (although not yet named by proper authority), from Seaman avenue to Ninth avenue, in the Twelfth Ward, Borough of Manhattan, in The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final supplemental and amended report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III., to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 17th day of December, 1909, at 10.30 o'clock in forenoon of that day; and that the said final supplemental and amended report has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, December 11, 1909.

ADAM WIENER,
SAM'L SANDERS,
Commissioners.

JOHN P. DUNN, Clerk.

d11,22

FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of an UNNAMED STREET laid out on map approved by the Board of Estimate and Apportionment December 11, 1903, running parallel to Broadway, about 200 feet westerly therefrom, commencing at West One Hundred and Eighty-first street and ending on the westerly side of Broadway, nearly opposite Nagle avenue, in the Twelfth Ward, Borough of Manhattan, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 24th day of December, 1909, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, December 11, 1909.

FREDERICK ST. JOHN,
MICHAEL B. STANTON,
JOHN W. WARD,
Commissioners.

JOHN P. DUNN, Clerk.

d11,22

SUPREME COURT—SECOND DEPARTMENT.

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening and extending VANDERVOORT AVENUE, from Meeker avenue to Maspeth avenue, in the Eighteenth Ward of the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 29th day of December, 1909, at 10.30 o'clock in the forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated Borough of Brooklyn, New York, December 22, 1909.

A. McKINNEY,
MOSES J. HARRIS,
ADOLPH PETTENKOFER.
Commissioners.

JAMES F. QUIGLEY, Clerk.

d22,28

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening and extending VANDERVOORT AVENUE, from Meeker avenue to Maspeth avenue, in the Eighteenth Ward of the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 28th day of December, 1909, at 10.30 o'clock in forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated Borough of Brooklyn, New York, December 22, 1909.

WALTER E. PARFITT,
WM. B. GREEN,
THOMAS H. STEWART,
Commissioners.

JAMES F. QUIGLEY, Clerk.

d22,28

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening and extending AVENUE V, between Ocean avenue and Ocean parkway, and between Stillwell avenue and Eighty-sixth street, omitting therefrom that portion of Avenue V lying between the westerly boundary of the Brooklyn and Brighton Beach Railroad and the westerly side of East Sixteenth street, in the Thirty-first Ward, in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 28th day of December, 1909, at 10.30 o'clock in forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated Borough of Brooklyn, New York, December 21, 1909.

MICHAEL F. McGOLDRICK,
BERTRAM MANNE,
JOHN B. BYRNE, JR.,
Commissioners.

JAMES F. QUIGLEY, Clerk.

d21,27

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening and extending SCOTT AVENUE, from Flushing avenue to St. Nicholas avenue, in the Twenty-seventh Ward, in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and of the Commissioner of Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 28th day of December, 1909, at 10.30 o'clock in forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated Borough of Brooklyn, New York, December 21, 1909.

HERBERT S. WORTHLEY,
JACOB. A. WILLIAMS,
Commissioners of Estimate;
HERBERT S. WORTHLEY,
Commissioner of Assessment.

JAMES F. QUIGLEY, Clerk.

d21,27

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening and extending RALPH AVENUE, from Remsen avenue to Avenue H, in the Thirty-second Ward, in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 28th day of December, 1909, at 10.30 o'clock in forenoon of that day, and that the said final report has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of five days, as required by law.

Dated Borough of Brooklyn, New York, December 21, 1909.

M. F. McGOLDRICK,
HENRY MARSHALL,
RICHARD DIXON,
Commissioners.

JAMES F. QUIGLEY, Clerk.

d21,27

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of LUYSTER STREET (although not yet named by proper authority), from Jackson avenue to the bulkhead line in the East River, in the First Ward, Borough of Queens, in The City of New York.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 28th day of December, 1909, at 10.30 o'clock in the forenoon of that day; and that the said final report has been deposited in the office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated Borough of Manhattan, New York, December 20, 1909.

WILLIAM W. GILLEN,
ALEXANDER M. SIMPSON,
JAMES H. TIBBITS,
Commissioners.

JOHN P. DUNN, Clerk.

d20,27

SECOND DEPARTMENT.

In the matter of the application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of certain uplands, filled-in lands, lands and lands under water, wharf property, wharfage rights, terms, easements, emoluments and privileges of and to the uplands, filled-in lands, lands and lands under water and wharf property necessary to be taken for the improvement of the water-front and harbor of The City of New York, in the vicinity of WHALE CREEK, in the Borough of Brooklyn, in The City of New York, pursuant to a certain plan heretofore adopted by the Commissioner of Docks, and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses, incurred by reason of the proceedings in the above entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at a Special Term for the hearing of contested motions, to be held at the County Court House, in The City of New York, Borough of Brooklyn, on the 31st day of December, 1909, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, and that said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated New York, December 17, 1909.

THEO. B. GATES, Chairman;
GEORGE B. BOYD,
JULIUS SIEGELMAN,
Commissioners.

JOSEPH M. SCHENCK, Clerk.

d18,30

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of NINETY-SIXTH STREET, between Third avenue and Fourth avenue, in the Thirtieth Ward, Borough of Brooklyn, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That the undersigned Commissioners of Estimate have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections, in writing, duly verified, with them at their office, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 4th day of January, 1910, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 5th day of January, 1910, at 2 o'clock p. m.

Second—That the undersigned Commissioner of Assessment has completed his estimate of benefit, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections, in writing, duly verified, with him at his office, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, on or before the 4th day of January, 1910, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 6th day of January, 1910, at 2 o'clock p. m.

Third—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 19th day of April, 1907, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at the intersection of a line midway between Ninety-sixth street and Ninety-fifth street with the easterly side of Third avenue, and running thence southeastwardly along the centre line of the block between Ninety-sixth street and Ninety-fifth street to the interscetion with the westerly line of Fourth avenue; thence southeastwardly across Fourth avenue to the southerly corner of Fourth avenue and Ninety-fifth street, thence southeastwardly along the southwesterly side of Ninety-fifth street 100 feet; thence southwestwardly and parallel with the southeasterly side of Fourth avenue to the intersection with the prolongation of a line midway between Ninety-sixth street and Ninety-seventh street, through that portion of their length between Third and Fourth avenues; thence northwestwardly and along the line last described to the intersection with the westerly side of Third avenue; thence westerly at right angles to Third avenue 100 feet; thence northerly and parallel with Third avenue to the intersection with a line drawn at right angles to the line of Third avenue, and passing through the point described as the point or place of beginning; thence easterly to the point or place of beginning.

Fourth—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings, in the Law Department of The City of New York, No. 166 Montague street, in the Borough of Brooklyn, in said City, there to remain until the 14th day of January, 1910.

Fifth—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 28th day of February, 1910, at the opening of the Court on that day.

Sixth—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Brooklyn, New York, December 15, 1909.

ALMET REED LATSON,
JAMES B. SHELDON,
CHARLES H. FULLER,
Commissioners of Estimate.
ALMET REED LATSON,
Commissioner of Assessment.

JAMES F. QUIGLEY, Clerk.

d15,j3

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands and premises selected by the Commissioner of Bridges for the use of the MANHATTAN BRIDGE (Bridge No. 3), in the Borough of Brooklyn, as the same was authorized by a resolution of the Board of Estimate and Apportionment on the 20th day of January, 1905.

WE, THE UNDERSIGNED COMMISSIONers of Estimate and Appraisal in the above entitled proceeding, do hereby give notice to the owner or owners, lessee or lessees, parties or persons respectively entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First—That we have completed our estimate of the loss and damage to the respective owners, lessees, parties or persons respectively entitled to or interested in the lands and premises affected by this proceeding, or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Commissioner of Bridges, No. 21 Park row, and the office of the Board of Estimate and Apportionment, No. 277 Broadway, in the Borough of Manhattan, City of New York, for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, or who may object to the same, or any part thereof, may, within ten days after the first publication of this notice, December 14, 1909, file their objections, in writing, with us, at our office, Room 37, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, and we, the said Commissioners, will hear parties so objecting at our said office, on the 27th day of December, 1909, at 2 o'clock in the afternoon of that day, and upon such subsequent days as may be found necessary.

Dated New York, December 14, 1909.

EDWARD RIEGELMANN,
EDMUND D. HENNESSY,
Commissioners.

JAMES F. QUIGLEY, Clerk.

d14,24

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of A PLAZA AT THE MANHATTAN BRIDGE TERMINAL, in the Borough of Brooklyn, City of New York, as the same was authorized by a resolution of the Board of Estimate and Apportionment, adopted on the 23d day of November, 1906, and amended by resolution dated the 21st day of December, 1906.

WE, THE UNDERSIGNED COMMISSIONers of Estimate and Appraisal in the above entitled proceeding, do hereby give notice to the owner or owners, lessee or lessees, parties or persons respectively entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First—That we have completed our estimate of the loss and damage to the respective owners, lessees, parties or persons respectively entitled to or interested in the lands and premises affected by this proceeding, or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Commissioner of Bridges, No. 21 Park row, and the office of the Board of Estimate and Apportionment, No. 277 Broadway, in the Borough of Manhattan, City of New York, for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, or who may object to the same, or any part thereof, may, within ten days after the first publication of this notice, December 14, 1909, file their objections, in writing, with us, at our office, Room 37, No. 166 Montague street, in the Borough of Brooklyn, in The City of New York, and we, the said Commissioners, will hear parties so objecting at our said office, on the 27th day of December, 1909, at 3.30 o'clock in the afternoon of that day, and upon such subsequent days as may be found necessary.

Dated New York, December 14, 1909.

EDWARD RIEGELMANN,
EDMUND D. HENNESSY,
Commissioners.

JAMES F. QUIGLEY, Clerk.

d14,24

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of "CRESCENT" (although not yet named by proper authority), from Hunter avenue to Winthrop avenue, in the First Ward, Borough of Queens, City of New York.

WE, THE UNDERSIGNED COMMISsioners of Estimate and Assessment in the above entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our supplemental and amended estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 252 Jackson avenue, Long Island City, Borough of Queens, in The City of New York, on or before the 27th day of December, 1909, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 28th day of December, 1909, at 3 o'clock p. m.

Second—That the abstracts of our said supplemental and amended estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, No. 252 Jackson avenue, Long Island City, in the Borough of Queens, in said city, there to remain until the 28th day of December, 1909.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of the southwesterly prolongation of a line parallel to and 100 feet northwesterly from the northwesterly line of Radde street with a line parallel to and 100 feet southeasterly from the southeasterly line of Hunter avenue; running thence southwesterly along said last-mentioned parallel line and its prolongation to its intersection with a line parallel to and 100 feet southerly from the southerly line of Nott avenue; thence westerly along said last-mentioned parallel line to its intersection with the southwesterly prolongation of the middle line of William street; thence northeasterly along said prolongation to its intersection with a line parallel to and 100 feet southerly from the southerly line of Thirteenth street;

thence westerly along said parallel line to its intersection with the southwesterly prolongation of a line parallel to and 100 feet southeasterly from the southeasterly line of Ely avenue; thence northeasterly along said last-mentioned prolongation and parallel line and its prolongation across Astoria Park and along a line parallel to and 100 feet southeasterly from the southeasterly line of Hallett street to its intersection with a line parallel to and 100 feet northeasterly from the northeasterly line of Riker avenue; thence southeasterly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet northwesterly from the northwesterly line of Goodrich street; thence southwesterly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet northerly from the northerly line of Flushing avenue; thence easterly along said last-mentioned parallel line to its intersection with the northeasterly prolongation of a line parallel to and 100 feet southeasterly from the southeasterly line of North Henry street; thence southwesterly along said last-mentioned prolongation and parallel line to its intersection with a line parallel to and 100 feet northeasterly from the northeasterly line of Newtown avenue; thence southeasterly along said last-mentioned parallel line to its intersection with the northeasterly prolongation of a line parallel to and 100 feet southeasterly from the southeasterly line of Buchanan place; thence southwesterly along said last-mentioned prolongation and parallel line and its prolongation to its intersection with the middle line of the block between Grand avenue and Whitney street; thence northwesterly along said middle line to its intersection with a line parallel to and 100 feet northwesterly from the northwesterly line of Academy street; thence southwesterly along said parallel line to its intersection with a line parallel to and 100 feet southwesterly from the southwesterly line of Webster avenue; thence northwesterly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet northwesterly from the northwesterly line of Radde street; thence southwesterly along said last-mentioned parallel line and its prolongation to the point or place of beginning, excepting from said area all streets, avenues and roads or portions thereof heretofore legally opened as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That, provided there be no objections filed to either of said supplemental and amended abstracts, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 27th day of January, 1910, at the opening of the Court on that day.

Fifth—In case, however, objections are filed to either of said supplemental and amended abstracts of estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the CITY RECORD, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, November 26, 1909.

JAMES INGRAM, Chairman;
GEO. J. RYAN,
Commissioners.

JOHN P. DUNN, Clerk.

d6,23

SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands and premises required for the opening and extending of HOYT AVENUE (although not yet named by proper authority), from Flushing avenue to the East River, in the First Ward, Borough of Queens, in The City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our supplemental and additional estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections in writing duly verified, to us at our office, No. 252 Jackson avenue, Long Island City, Borough of Queens, in The City of New York, on or before the 27th day of December, 1909, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 29th day of December, 1909, at 3 o'clock p. m.

Second—That the abstracts of our said supplemental and additional estimate and assessment, together with our supplemental and additional damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, No. 252 Jackson avenue, Long Island City, in the Borough of Queens, in said City, there to remain until the 29th day of December, 1909.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point formed by the intersection of the middle line of the block between Briell street and Bartow street with a line parallel to and 100 feet southwesterly from the southwesterly line of Flushing avenue; running thence northwesterly along said parallel line to its intersection with the southwesterly prolongation of a line parallel to and 100 feet northwesterly from the northwesterly line of that part of Debevoise avenue lying northeasterly from Flushing avenue; thence northeasterly along said prolongation and parallel line to its intersection with a line parallel to and 100 feet southwesterly from the southwesterly line of Hoyt avenue; thence northwesterly along said last mentioned parallel line to its intersection with the bulkhead line of the East River; thence northeasterly along said bulkhead line to its intersection with a line parallel to and 100 feet northeasterly from the northeasterly line of Hoyt avenue; thence southeasterly along said parallel line to its intersection with the northwesterly line of Rapelje avenue; thence easterly to a point formed by the intersection of the southeasterly line of Rapelje avenue with a line parallel to and 100 feet northeasterly from the northeasterly line of Flushing avenue; thence southeasterly along said parallel line to its intersection with a line parallel to and 100 feet southeasterly from the southeasterly line of Rapelje avenue; thence southwesterly along said last mentioned parallel line to its intersection with the northeasterly line of Flushing avenue; thence southeasterly to a point formed by the intersection of the southwesterly line of Flushing avenue with the middle line of the block between Briell street and Bartow street; thence southwesterly along said middle line to the point or place of beginning; excepting from said area all streets, avenues and roads or portions thereof heretofore legally opened as such streets are shown upon the benefit maps deposited as aforesaid.

Fourth—That, provided there be no objections filed to either of said abstracts, our final report herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 20th day of January, 1910, at the opening of the Court on that day.

Fifth—In case, however, objections are filed to any of said abstracts of our supplemental and additional estimate and assessment, the notice of motion to confirm our final report herein will stand adjourned to the date to be hereafter specified, and of which notice will be given to all those who have theretofore appeared in this proceeding, as well as by publication in the CITY RECORD, pursuant to sections 981 and 984 of the Greater New York Charter, as amended by chapter 658 of the Laws of 1906.

Dated Borough of Manhattan, New York, December 1, 1909.

HENRY B. KETCHAM,
Chairman;
SAMUEL TOBIAS,
DAVID H. HETHERINGTON,
Commissioners.

JOHN P. DUNN, Clerk.

d4,23

SUPREME COURT—THIRD JUDICIAL DISTRICT.

At a Special Term of the Supreme Court, held in and for the Third Judicial District, at the City Hall, in the City of Albany, County of Albany, N. Y., on the 27th day of November, 1909.

THIRD JUDICIAL DISTRICT.

ULSTER COUNTY.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, for the determination of the damages, if any, sustained by reason of the decrease in value of any real estate not taken by virtue of the provisions of chapter 723 and 724 of the Laws of 1905, and of any established business, on the first day of June, 1905, situate in the County of Ulster, directly or indirectly decreased in value by reason of the acquiring of land by The City of New York for an additional water supply, or by reason of the execution of any plans for such additional water supply by The City of New York, under the provisions of said chapters 723 and 724 of the Laws of 1905.

ON READING AND FILING THE PETITION of the Board of Water Supply of The City of New York, verified by J. A. Bensel, Charles N. Chadwick and Charles A. Shaw, on the 23d day of November, 1909, for and on behalf of the said Board of Water Supply of The City of New York, and on motion of Francis K. Pendleton, Corporation Counsel of The City of New York, it is

Ordered, That the owners of all real estate not taken by virtue of the provisions of chapter 723 or 724 of the Laws of 1905, and of any established business on the first day of June, 1905, situate in the County of Ulster, claimed to be directly or indirectly decreased in value by reason of the acquiring of land by The City of New York for an additional water supply, or by reason of the execution of any plans for such additional water supply by The City of New York, under the provisions of said chapters 723 and 724 of the Laws of 1905, their heirs, assigns and personal representatives, show cause at a Special Term of this Court, to be held in and for the Third Judicial District, at the City Hall in the City of Albany, County of Albany, on the 25th day of December, 1909, at the opening of Court on that day, or as soon thereafter as counsel can be heard, but the 25th day of December, 1909, being a legal holiday, under Rule 13 of the rules adopted by the Appellate Division of the Third Department, the same will be heard on the next succeeding secular day, to wit, December 27, 1909, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, why Commissioners should not be appointed to determine the damages sustained, if any, by such decrease in value; and it is further

Ordered, That notice of such application be given by publication in the CITY RECORD and in two public newspapers published in The City of New York, and in two public newspapers published in the County of Ulster, which notice shall specify the time and place of such application and briefly state the object thereof. Such notice shall be so published continuously in each issue of such newspapers for three weeks immediately previous to the time when such application is to be made. And the Corporation Counsel shall, in addition to said advertisement, cause copies of the same in handbills to be posted up for the same space of time in at least one hundred conspicuous places in the County of Ulster.

Enter in Ulster County.

GEORGE H. FITTS, J. S. C.

In pursuance of the foregoing order public notice is hereby given that it is the intention of the Corporation Counsel of The City of New York to apply to the Supreme Court at the Special Term named in said above order, for the appointment of Commissioners of Appraisal to determine the damages sustained, if any, by the owners of all real estate not taken by virtue of the provisions of chapter 723 or 724 of the Laws of 1905, and of any established business on the first day of June, 1905, situate in the County of Ulster, claimed to be directly or indirectly decreased in value by reason of the acquiring of land by The City of New York for an additional water supply, or by reason of the execution of any plans for such additional water supply by The City of New York, under the provisions of said chapters 723 and 724 of the Laws of 1905, and for such additional and further relief as the Court shall see proper to grant.

Dated November 27, 1909.

FRANCIS KEY PENDLETON,
Corporation Counsel.

Hall of Records, corner Chambers and Centre Streets, Borough of Manhattan, New York City.

d4,27

THIRD JUDICIAL DISTRICT, ULSTER COUNTY.

ASHOKAN RESERVOIR, SECTION NO. 12.

Ulster County, Town of Olive.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under chapter 724 of the Laws of 1905, and the acts amendatory thereof, in the Town of Olive, Ulster County, N. Y., for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN that the second separate report of Joseph M. Fowler, John Scanlon and Edward H. Nicoll, who were appointed Commissioners of Appraisal in the above-entitled matter by an order of this Court, made at a Special Term thereof, held at the City Hall in the City of Albany, N. Y., upon the 27th day of February, 1909, was filed in the office of the Clerk of the County of Ulster on the 26th day of November, 1909, and affects Parcels Nos. five hundred and fifty-six (556), six hundred and seven (607), five hundred and sixty-one (561), five hundred and eighty (580), five hundred and fifty-four (554), five hundred and ninety-five (595), six hundred and four (604), five hundred and seventy-seven (577), six hundred and five (605), five hundred and forty-five (545), five hundred and eighty-seven (587) and five hundred and eighty-eight (588), shown on the map of this proceeding.

Notice is further given that an application will be made at a Special Term of the Supreme Court of the State of New York, to be held in and for the Third Judicial District, at the City Hall, in the City of Albany, N. Y., on the 25th day of December, 1909, at 10 o'clock in the forenoon of that day, but the 25th day of December, 1909, being a legal holiday, under Rule 13 of the rules adopted by the Appellate Division of the Third Department, the same will be heard on the next succeeding secular day, to wit: December 27, 1909, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, for an order confirming said report and for such other and further relief as may be just.

Reserving to The City of New York the right to oppose the confirmation of any or all parcels contained in said report.

Dated New York, December 2, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel.

Hall of Records, corner Chambers and Centre streets, Borough of Manhattan, New York City.

d4,27

THIRD JUDICIAL DISTRICT,

ULSTER COUNTY.

Ashokan Reservoir, Section No. 13, Ulster County.

(Towns of Olive and Hurley.)

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under chapter 724 of the Laws of 1905 and the acts amendatory thereof, in the Towns of Olive and Hurley, Ulster County, New York, for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN that the second separate report of Charles W. Mead, Henry Brady and A. Winthrop Williams, who were appointed Commissioners of Appraisal in the above entitled matter by an order of this Court, made at a Special Term thereof, held at the City Hall, in the City of Albany, N. Y., upon the 27th day of February, 1909, was filed in the office of the Clerk of the County of Ulster on the 2d day of December, 1909, and affects Parcels Nos. six hundred and forty (640), six hundred and seventeen (617), six hundred and twenty-five (625), six hundred and forty-seven (647), six hundred and nineteen (619), six hundred and ten (610), six hundred and thirty-two (632), six hundred and thirty-four (634), six hundred and thirty-one (631), six hundred and forty-eight (648), six hundred and twenty-six (626), six hundred and forty-one (641), six hundred and twenty-two B (622-B), six hundred and thirty-eight (638) as to the interest of School District No. 13 in said parcel, and six hundred and forty-two (642), shown on the map of this proceeding and the supplemental map filed in this proceeding.

Notice is further given that an application will be made at a Special Term of the Supreme Court of the State of New York, to be held in and for the Third Judicial District, at the City Hall, in the City of Albany, N. Y., on the 25th day of December, 1909, at 10 o'clock in the forenoon of that day, but the 25th day of December, 1909, being a legal holiday, under Rule 13 of the rules adopted by the Appellate Division of the Third Department the same will be heard on the next succeeding secular day, to wit, December 27, 1909, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, for an order confirming said report and for such other and further relief as may be just.

Reserving to The City of New York the right to oppose the confirmation of any or all parcels contained in said report.

Dated New York, December 2, 1909.

FRANCIS K. PENDLETON,
Corporation Counsel,

Hall of Records, Corner of Chambers and Centre Streets, Borough of Manhattan, New York City.

d4,27

SUPREME COURT—NINTH JUDICIAL DISTRICT.

NINTH JUDICIAL DISTRICT.

WESTCHESTER COUNTY.

Hill View Reservoir, Section No. 2.

Seventh Separate Report.

In the matter of the application and petition of J. Edward Simmons, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under chapter 724 of the Laws of 1905, and the acts amendatory thereof, in the City of Yonkers, Westchester County, N. Y., for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN that the seventh separate report of Joseph E. Merriam, George Von Skal and Frank E. Russell, Commissioners of Appraisal in the above entitled matter, dated November 5, 1909, was filed in the office of the Clerk of the County of Westchester, November 8, 1909, covering Parcels Nos. 112, 113 and 114.

Further notice is hereby given that an application will be made at a Special Term of the Supreme Court, to be held at the Court House in the Village of White Plains, N. Y., on the 7th day of January, 1910, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, for an order confirming said report, and for such other and further relief as to the Court may seem just.

Dated December 13, 1909.

FRANCIS KEY PENDLETON,
Corporation Counsel.

Office and Post-office address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, New York City.

d17,j7

NINTH JUDICIAL DISTRICT.

WESTCHESTER COUNTY.

Kensico Reservoir, Section No. 10.

First Separate Report.

In the matter of the application and petition of John A. Bensel, Charles N. Chadwick and Charles A. Shaw, constituting the Board of Water Supply of The City of New York, to acquire real estate for and on behalf of The City of New York, under chapter 724 of the Laws of 1905 and the acts amendatory thereof, in the Town of Mount Pleasant, Westchester County, N. Y., for the purpose of providing an additional supply of pure and wholesome water for the use of The City of New York.

PUBLIC NOTICE IS HEREBY GIVEN that the first separate report of Philip F. Donohue, James G. Graham and John F. Healy, Commissioners of Appraisal in the above entitled matter, dated November 15, 1909, was filed in the office of the Clerk of the County of Westchester on November 22, 1909, covering Parcels Nos. 700, 702, 710, 712, 714, 717, 721, 733, 737, 742, 751, 757, 758, 765, 766, 769, 770, 772, 774, 775, 776, 778, 782, 785, 787, 789, 790 and 793.

Further notice is hereby given that an application will be made at a Special Term of the Supreme Court, to be held at the Court House in the Village of White Plains, N. Y., on the 7th day of January, 1910, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard, for an order confirming said report, and for such other and further relief as to the Court may seem just.

Dated December 13, 1909.

FRANCIS KEY PENDLETON,
Corporation Counsel.

Office and Post-office address, Hall of Records, corner of Chambers and Centre streets, Borough of Manhattan, New York City.

d17,j7

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him therein, and, if no other person be so interested, it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Board of Aldermen, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated herein are in all respects true.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless, as a condition precedent to the reception or consideration of any proposal, it be accompanied by a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

Bidders will write out the amount of their bids or estimates in addition to inserting the same in figures.

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.