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DEPARTMENT OF HIGHWAYS.

Report for the Year 1900.

DEPARTMENT OF HIGHWAYS—COMMISSIONER'S OFFICE,
NO. 17 TO 21 PARK ROW,
NEW YORK, April 3, 1901.

Hon. ROBERT A. VAN WYCK, Mayor:

DEAR SIR:—Pursuant to the provisions of section 324, subdivision 6 of the Greater New York Charter, I respectfully submit the following report of the business of the Department of Highways for the year 1900:

BOROUGH OF MANHATTAN.

The following contracts were entered into during the year: 97 for paving and repaving, estimated cost \$1,430,324.28; 97 for regulating, grading, flagging and fencing, estimated cost \$95,981.11, and 3 for miscellaneous works, estimated cost \$34,247.50; making in all 197 contracts, involving a total estimated expenditure of \$1,560,552.89.

Contracts were completed as follows: 78 for paving and repaving, cost \$778,050.88; 57 for regulating, grading and flagging, \$181,942.87, and 3 for miscellaneous works, \$19,994.59; making a total of 138 contracts completed at an actual aggregate cost of \$979,988.36.

The principal items of work done under the contracts for regulating, grading, etc., were: 77,265 cubic yards of earth excavated, 66,714 cubic yards of rock excavated, 45,053 cubic yards filling placed, 23,800 linear feet curbstones set, 9,555 linear feet of curbstones reset, 141,194 square feet flagging furnished and laid, 41,808,294 cubic yards concrete laid, 12,917 cubic feet granite dressed, and 13,654,638 pounds of steel furnished.

The mileage of new pavements laid was: Sheet asphalt, 11.05; asphalt blocks, 2.26; granite, .27, and macadam, 2.77, making a total of 16.35 miles.

Permits were issued as follows: 125 for vaults, 238 for repairing vaults, 41 for placing gyp posts, 348 for tar kettles on streets, 413 for boilers and engines on streets, 35 for repairs to pavements at expense of applicants, and 37 for banner poles, making in all 1,437.

During the year the macadam roads and unpaved streets in the upper section of Manhattan have been kept in fairly good condition. Of macadam and gravel roads there are 21.60 miles, and of unpaved streets and roads 33.26 miles. The maintenance of these streets and roads includes the repairing of washouts, the repairing of gutters to carry off surface water, and the resetting of curbstones and the relaying of flagging where necessary.

The principal items of work done were: 3,562 miles of roadway cleaned; 3,891 miles of gutters cleaned; 1,108 miles of crosswalks cleaned; 39,149 square yards of macadam roadway repaired; 107,138 square yards of gravel roadway repaired; 48,617 square yards of unpaved roads repaired; 60,576 square yards of unpaved roads regulated and graded; 11,893 washouts repaired, and 6,125 loads of snow and ice removed.

Mains were laid during the year as follows: Electric main conduits, 22.23 miles; electric fire-alarm ducts, 2,781 feet; gas-mains, 4.52 miles, and water-mains, 1,068 feet.

Gas-mains were overhauled to the extent of 11.08 miles; 15,582 permits were issued to private corporations to make and repair house-service connections for electricity, gas and steam; 1,214 openings were made to repair water-mains and main sewers; 20,042 openings were made to repair all mains other than water-mains and main sewers, and to make and repair house-service connections for water, sewage, electricity, gas and steam; 47,783 inspections were made of pavements relaid where openings had been made; 378 notices were sent to private corporations to repair defective pavements relaid over openings, and in response to these notices 401 defects in pavements were repaired.

Emergency permits were issued as follows: Edison Electric Illuminating Company, 127; Consolidated Gas Company, 36; New Amsterdam Gas Company, 136; Mutual Gas-light Company, 2, and Standard Gas-light Company, 1—making a total of 302 emergency permits issued.

The Bureau of Incumbrances received and attended to 3,226 complaints of obstructions; seized and removed 913 incumbrances; removed 1,784 loads of dirt, stone and rubbish; removed 489 dead and dangerous trees and posts; issued 3,913 permits to place building material on streets; issued 498 permits to cross sidewalks; issued 364 permits to erect temporary sheds; issued 5 permits to cut down shade trees, and served 9 notices to repair defective vault covers.

BOROUGH OF THE BRONX.

Twenty-five contracts for regulating and grading works were entered into at an estimated cost of \$677,078.98, and 25 contracts were made for paving, repaving, etc., at an estimated cost of \$318,243.65, making a total of 50 contracts entered into at an aggregate estimated cost of \$995,322.63.

Fifteen contracts for regulating and grading streets were completed at a cost of \$826,156.86; also 23 contracts for paving, repaving, etc., at a cost of \$417,607.46; making a total of 37 contracts completed, at an actual cost of \$1,243,764.32.

The length of streets regulated and graded during the year is 19.92 miles; the streets paved amount to 3.93 miles, and those repaved aggregate 2.05 miles.

Of the 343.52 miles of streets in this borough, 144.37 miles are paved or macadamized.

The masonry work has been completed on the Melrose Viaduct, connecting Melrose avenue with Webster avenue, between One Hundred and Sixty-third street and One Hundred and Sixty-fifth street, and the delivery and erection of the steel work has been begun.

The work on the One Hundred and Fifty-third Street Viaduct over the Melrose yards of the New York Central and Hudson River Railroad has advanced so far that it is also ready for the erection of the steel superstructure.

The survey for the regulating, grading, etc., of the Grand Boulevard has been completed, and the plans and specifications will be ready, so that a contract may be awarded in the near future.

The Bureau of Incumbrances received and attended to 545 complaints of made 267 seizures and removals; also issued 647 permits to place building material on streets; issued 181 to cross sidewalks, 25 to move houses and 394 for miscellaneous purposes.

BOROUGH OF BROOKLYN.

New pavements have been laid as follows: Asphalt, 14.71 miles; granite, 2.87 miles; Belgian block, 2.79 miles; brick, 1.33 miles; macadam, 3.82 miles.

The cement sidewalks laid amounted to 1,069,792 square feet, while the area of bluestone flagging laid was 328,501 square yards.

The aggregate cost of these improvements is about \$1,598,773.

Nineteen contracts have been made for grading and paving streets by assessments, the estimated cost of these improvements being \$438,307. Of these contracts 15 have been completed, and are included in the statement of new pavements laid during the year.

There are pending in the Municipal Assembly 14 ordinances authorizing grading and paving works, payable by assessment, involving an estimated expenditure of \$152,000, and 10 similar works have been recommended for authorization, the aggregate estimated cost of these being \$154,250. Of these 24 proposed paving works 17 are for asphalt, showing the popular use of this kind of paving material.

There are in the Borough of Brooklyn 300 miles of cobble stone and granite block pavements, which should be replaced with new and modern pavements. Only 12 of these defective and obsolete pavements were replaced last year, so that if more funds for paving are not allowed, it would require twenty years to put the streets of Brooklyn in good condition.

Of the total cost (\$1,598,773) of the street improvements carried out, \$789,805.73, or 49 per cent, was assessed on the abutting and benefited property.

The repair force repaired 8,220 openings in streets, repaired 2,549 defects in pavements, relaid 226,145 square yards of stone pavement, and 5,433 square yards of brick pavement; repaired 11,443 square yards of brick pavement; repaired 31.6 miles of unpaved roads; set and reset 30,252 linear feet of curbstones, and set and reset 20,248 square feet of bridging.

During the year 28.92 miles of macadamized streets were sprinkled, at a cost of \$8,959.50.

Eight hundred and seventy-four permits were issued to lay concrete sidewalks by private contractors on streets not legally open, and under these permits 24,847 linear feet of cement curb were laid.

Permits for miscellaneous works were issued as follows: 2,125 to tap water-pipes, 4,546 to repair water connections; 2,468 to make sewer connections; 735 to repair sewer connection; 863 to place building material on streets; 195 to construct vaults; 135 to place awnings; 703 to cross sidewalks, and 9,233 for special purposes.

BOROUGH OF QUEENS.

The contracts made were as follows: One for furnishing broken stone and other material for the maintenance of macadamized roads, estimated cost, \$7,260, and two for regulating, grading and paving streets with asphalt on concrete foundation at an estimated cost of \$93,563.20.

Of these contracts, one for regulating, grading and paving was completed at a total cost of \$13,828.58.

The mileage of new pavements laid was: Macadam, 4½, and asphalt, 2 of a mile.

The 388 miles of macadam roads in the Borough of Queens have been kept in good condition; also the granite block, trap rock, vitrified brick and asphalt pavements.

Among the principal items of work done in maintaining roadways are the following: 1 macadamized roads resanded, 3,354,235 square yards; macadam roadways scraped and cleaned, 2,140,837 square yards; macadam pavement repaired, 17,922 square yards; granite-block pavement repaired, 6,571 square yards; trap-block pavement repaired, 8,689 square yards; vitrified brick pavement repaired, 212 square yards; cobble stone gutters repaired, 9,685 square yards; earth roadways repaired, crowned and honed, 280,242 square yards; earth roadways graded, 42,884 square yards; gutters formed and cleaned, 1,143,829 linear feet; flooring relaid on bridges, 20,777 square feet; stringers and beams repaired and replaced, 900 linear feet; guard rail repaired and constructed, 3,006 linear feet; curb reset, 10,632 linear feet; crosswalks relaid, 4,625 linear feet; flagstones relaid, 4,595 square feet; wooden culverts built, 705 linear feet; wooden culverts repaired, 1,094 linear feet, and 165 dead trees cut down and removed.

Permits were issued as follows: 818 to open streets to tap water pipes, 359 to open streets to repair water connections, 378 to open streets to make sewer connections, 71 to open streets to repair sewer connections, 91 to place building material on streets, two to construct vaults, 1,151 to lay crosswalks, 102 for subways, steam pipes and various connections; 111 to construct and repair railroads, and 167 to repair sidewalks.

BOROUGH OF RICHMOND.

Contracts were entered into as follows: Two for regulating, grading and paving with macadam, estimated cost, \$10,689.25; one for crosswalks, estimated cost, \$860.60; two for paving with granite blocks on concrete foundation, estimated cost, \$21,209.65, and two for furnishing broken stone and screenings, estimated cost, \$47,649.50.

The following contracts were completed: Nineteen for regulating, grading and paving with macadam at a total cost of \$318,342.20; one for laying crosswalks, cost \$71.86, and one for broken stone and screenings, cost \$1,750.

During the year 11.96 miles of macadam pavement were laid, and 0.29 of a mile of specification granite.

The area of pavements repaired 67,964 square yards.

These permits were issued: 221 to make openings to tap water-pipes; 749 to make openings to repair water connections; 182 to make openings for sewer connections; 60 to make openings to repair sewer connections; 51 to place building material on streets, and 1,015 to construct and repair sidewalks, curbs and gutters, also to lay and repair gas-pipes.

The following documents contain information in detail regarding the business of this Department in all boroughs:

Document "A"—Trial Balance of Accounts for all boroughs, and statement of moneys received and deposited with the City Chamberlain.

Document "B"—Report of the Engineer, Borough of Manhattan.

Document "C"—Report of the Superintendent of Street Openings, Paving and Repaving, Borough of Manhattan.

Document "D"—Report of the Engineer of Subsurface Construction, Borough of Manhattan.

Document "E"—Report of the Superintendent of Streets and Roads, Borough of Manhattan.

Document "F"—Report of the Superintendent of Incumbrances, Borough of Manhattan.

Document "G"—Report of the Deputy Commissioner, Borough of The Bronx.

Document "H"—Report of the Deputy Commissioner, Borough of Brooklyn.

Document "I"—Report of the Deputy Commissioner, Borough of Queens.

Document "J"—Report of the Deputy Commissioner, Borough of Richmond.

Very respectfully,

JAMES P. KEATING, Commissioner of Highways.

DOCUMENT "A."

Annual Statement, Showing Titles of Appropriations; Appropriations and Transfers of 1899; Requisitions to December 31, 1900; Balances on December 31, 1900; Appropriations and Transfers of 1900; Requisitions to December 31, 1900; Balances on December 31, 1900; Memoranda of Requisitions on Liabilities prior to 1899, during 1900; Statement Showing Titles of Special and Trust Accounts with Requisitions during 1900; Statement of Moneys Received during 1900, and Deposited with the City Chamberlain; also Statement of Moneys Received during 1900, as Security against Damage to Sidewalks, Pavements, etc., Deposited with the Comptroller and Refunded upon Completion of Work.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS AND TRANSFERS, 1899.	REQUISITIONS TO DECEMBER 31, 1900.	BALANCES ON DECEMBER 31, 1900.	APPROPRIATIONS AND TRANSFERS, 1900.	REQUISITIONS TO DECEMBER 31, 1900.	BALANCES ON DECEMBER 31, 1900.
Borough of Manhattan.						
Baring Examinations for Graveling Contracts.....	.....	.....	.....	\$4,000 00	\$117 00	\$1,883 00
Boulevards, Roads and Avenues, Maintenance of.....	\$156,190 00	\$157,000 00	\$1,053 00	148,170 00	138,241 00	9,808 91
Contingencies.....	.....	.....	.....	31 00 00	1,268 00	1,931 51
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	2,000 00	1,687 50	319 47	2,000 00	1,881 00	178 00

TITLE OF APPROPRIATION.	APPROPRIATIONS AND TRANSFERS, 1899.	REQUISITIONS TO DECEMBER 31, 1900.	BALANCE ON DECEMBER 31, 1900.	APPROPRIATIONS AND TRANSFERS, 1901.	REQUISITIONS TO DECEMBER 31, 1900.	BALANCE ON DECEMBER 31, 1900.
One Hundred and Fifty-Fifth Street Viaduct—Maintenance and Repairs.....	\$4,000 00	\$3,365 93	\$634 77	\$4,300 00	\$4,439 58	\$360 42
Removing Obstructions in Streets and Avenues.....	.....	.....	.....	18,430 00	16,337 83	1,112 15
Repairs and Renewal of Pavements and Regrading.....	419,000 00	408,801 03	1,191 97	425,000 00	399,134 80	25,865 20
Repairs to Streets and Avenues.....	180,000 00	20,937 98	84,062 99	150,000 00	189,461 84	65,138 16
Roads, Streets and Avenues—Maintenance of and Sprinkling.....	.....	.....	.....	40,000 00	39,000 00	81 00
Maintenance of Eighth Avenue Viaduct.....	.....	.....	.....	16,000 00	14,000 00	1,800 00
Chemical and Cancer Laboratory.....	.....	.....	.....	5,000 00	8,000 00	3,000 00
City—General Administration.....	.....	.....	.....	16,300 00	15,000 84	900 16
Administration.....	.....	.....	.....	28,300 00	28,147 09	152 91
Boulevards, Roads and Avenues, Maintenance of.....	.....	.....	.....	8,800 00	6,177 37	2,622 63
Removing Obstructions in Streets and Avenues.....	.....	.....	.....	12,000 00	14,438 00	2,438 00
Repairs and Renewal of Pavements and Regrading.....	.....	.....	.....	10,000 00	18,555 50	8,555 50
Repairing Streets and Avenues.....	.....	.....	.....	27,250 00	24,946 78	2,303 22
Total.....	\$734,150 00	\$669,824 73	\$67,355 27	\$674,150 00	\$641,308 58	\$32,841 42
<i>Borough of The Bronx.</i>						
Salaries.....	.....	.....	.....	\$14,300 00	\$14,059 80	\$240 20
Contingencies.....	\$1,000 00	\$867 97	\$132 03	1,000 00	589 57	410 43
Labor, Maintenance and Supplies.....	554,000 00	553,594 73	405 27	507,890 00	489,555 22	18,334 78
Preliminary Surveys, etc.....	28,240 00	28,013 09	226 91	30,700 00	30,584 30	115 70
Rock Soundings.....	10,975 00	10,863 99	111 01	9,000 00	9,235 94	235 94
Standard Bench Marks.....	.....	.....	.....	4,370 00	3,773 31	600 69
Removing Incumbrances.....	6,440 00	5,984 27	455 73	5,000 00	5,717 27	717 27
Maintenance of Viaducts and Bridges.....	13,000 00	12,811 08	188 92	9,150 00	8,408 28	741 72
Maintenance of Lunette Fountain.....	.....	.....	.....	4,000 00	.....	4,000 00
Total.....	\$613,675 00	\$604,193 13	\$9,481 87	\$589,160 00	\$558,711 43	\$30,448 57
<i>Borough of Brooklyn.</i>						
Salaries.....	.....	.....	.....	\$66,838 00	\$65,778 08	\$1,059 92
Labor, Maintenance and Supplies.....	\$429,750 00	\$429,121 73	\$628 27	464,000 00	409,399 84	54,600 16
Contingencies.....	1,000 00	1,473 85	573 85	1,300 00	1,305 03	45 97
Repairing Streets and Avenues.....	.....	.....	.....	50,000 00	24,000 33	25,999 67
Total.....	\$431,750 00	\$430,695 58	\$1,054 42	\$521,138 00	\$496,483 34	\$24,654 66
<i>Borough of Queens.</i>						
Salaries.....	.....	.....	.....	\$11,100 00	\$11,005 67	\$94 33
Labor, Maintenance and Supplies.....	.....	.....	.....	176,000 00	166,597 82	9,402 18
Maintenance of Viaducts and Bridges.....	.....	.....	.....	5,000 00	5,058 48	58 48
Preliminary Surveys, etc.....	.....	.....	.....	5,000 00	5,007 20	92 80
Total.....	.....	.....	.....	\$197,100 00	\$191,671 17	\$5,428 83
<i>Borough of Richmond.</i>						
Salaries.....	.....	.....	.....	\$15,000 00	\$15,076 40	\$76 40
Labor, Maintenance and Supplies.....	\$95,000 00	\$96,842 56	\$1,842 56	100,800 00	87,289 94	13,510 06
Total.....	\$95,000 00	\$96,842 56	\$1,842 56	\$115,800 00	\$102,366 34	\$13,433 66
Grand total.....	\$1,886,975 00	\$1,766,535 98	\$120,439 02	\$1,733,844 00	\$1,693,314 60	\$40,530 40

Memoranda of Requisitions on Liabilities prior to 1899, during 1900.

TITLE OF APPROPRIATION.	1899.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	TOTAL.
<i>Borough of Manhattan.</i>											
Repairing Streets and Avenues.....	\$7,727 48	\$328 56	.....	\$5,694 64	\$1,548 79	\$4,969 65	.....	.....	\$499 49	\$10,535 00	\$20,209 61
Repairs and Renewal of Pavements and Regrading.....	.....	.....	\$106 54	.....	.....	.....	.....	.....	.....	830 16	736 70
Street Improvements for Surveying, Monumenting, etc.....	.....	.....	.....	.....	.....	.....	.....	\$491 00	6,138 00	.....	6,629 00
One Hundred and Fifty-Fifth Street Viaduct—Maintenance and Repairs.....	.....	.....	.....	.....	.....	.....	.....	.....	27 30	1,573 80	1,601 10
<i>Borough of The Bronx.</i>											
Preparing Site for Lorelei Fountain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	327 66	327 66
<i>Borough of Queens.</i>											
Laying Asphalt Strips from Thirty-fourth to Ninety-second Street, Ferries.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,745 00	5,745 00
<i>Borough of Richmond.</i>											
Labor, Maintenance and Supplies.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56 32	56 32
Total.....	\$7,727 48	\$328 56	\$106 54	\$5,694 64	\$1,548 79	\$4,969 65	\$491 00	\$6,629 00	\$5,064 99	\$15,811 46	\$35,179 51

Statement of Moneys Received during 1900 as Security against Damage to Sidewalks, Pavements, etc., Deposited with the Comptroller and Refunded upon Completion of Work.

ACCOUNT OF SPECIAL SECURITY DEPOSITS.	RECEIPTS.	REFUNDS.	BALANCE.
Borough of Manhattan.....	\$14,330 00	\$11,000 00	\$3,330 00
Borough of The Bronx.....	6,070 00	5,073 00	1,000 00
Borough of Brooklyn.....	31,450 00	26,093 00	5,357 00
Borough of Queens.....	1,140 00	810 00	330 00
Borough of Richmond.....	2,350 00	2,005 00	345 00
Total.....	\$55,340 00	\$45,981 00	\$9,359 00

Statement Showing Titles of Special and Trust Accounts, with Requisitions during 1900.

TITLES OF SPECIAL AND TRUST ACCOUNTS.	REQUISITIONS DURING 1900.	TOTAL.
<i>Borough of Manhattan.</i>		
Restoring and Repairing—Special Fund, ordinances of 1880.....	\$117,876 57	.....
Street Improvement Fund, chapter 48, Laws of 1886.....	180,162 46	.....
Riverside Drive Viaduct Extension, chapter 66, Laws of 1897.....	308,323 95	.....
Repairing, chapter 34, Laws of 1889.....	34,881 91	.....
Repairing, chapter 35, Laws of 1890.....	58,120 38	.....
Repairing, chapter 47, Laws of 1895.....	6,381 98	.....
Repairing, chapter 87, Laws of 1897.....	6,000 41	.....
Repairing, chapter 378, Laws of 1897.....	646,880 03	.....
Total.....	\$1,268,577 70	\$1,268,577 70

TITLE OF SPECIAL AND TRUST ACCOUNTS.	REQUISITIONS DURING 1900.	TOTAL.
Borough of The Bronx.		
Restoring and Repaving—Special Fund, ordinances of 1880.....	\$5,134 56	
Street Improvement Fund, chapter 680, Laws of 1886.....	1,048,859 90	
Construction of Rose Hill Place, chapter 641, Laws of 1896.....	938 85	
Bridge over New York and Harlem Railroad at One Hundred and Fifty-third Street, chapter 600, Laws of 1897.....	33,077 43	
Steel Beam Structure over New York and Harlem Railroad, Brook Avenue and One Hundred and Fifty-seventh Street, chapter 644, Laws of 1896.....	1,367 50	
Viaduct over New York and Harlem Railroad, connecting Melrose Avenue, One Hundred and Sixty-third to One Hundred and Sixty-fifth Street, chapter 680, Laws of 1897.....	57,594 54	
Paving Jerome Avenue, chapter 31, Laws of 1897.....	5,217 06	
Repaving Roads, Streets and Avenues, Twenty-third and Twenty-fourth Wards, chapter 149, Laws of 1896.....	1,439 76	
Repaving, chapter 378, Laws of 1897.....	180,523 26	
		\$1,285,364 86
Borough of Brooklyn.		
Restoring and Repaving—Special Fund, ordinances of 1880.....	\$44,827 99	
Street Improvement Fund, chapter 680, Laws of 1886.....	248,163 82	
Assessment Fund, chapter 583, Laws of 1888.....	21,201 57	
Eighth Ward Improvement Fund, chapter 365, Laws of 1889.....	20,916 05	
Twenty-sixth Ward Street Improvement Fund, chapter 310, Laws of 1890.....	170,712 30	
Local Improvement Fund, chapter 771, Laws of 1896.....	653 28	
1/4 Local Improvement Fund, chapter 771, Laws of 1896.....	366 00	
1/4 Assessment Fund, chapter 583, Laws of 1888.....		
Common Lands Fund, late Town of Gravesend, chapter 472, Laws of 1897.....	25,135 07	
Repaving, chapter 378, Laws of 1897.....	563,386 99	
		\$1,058,353 87
Borough of Queens.		
Restoring and Repaving—Special Fund, ordinances of 1880.....	\$6,093 22	
Street Improvement Fund, chapter 680, Laws of 1886.....	18,944 13	
Richmond Hill Sidewalk Improvement Fund, chapter 321, Laws of 1890.....	609 56	
Newtown Road Improvement Fund, chapter 680, Laws of 1886.....	69,072 33	
Repaving, chapter 378, Laws of 1897.....		
		95,619 24
Borough of Richmond.		
Restoring and Repaving—Special Fund, ordinances of 1880.....	\$1,87 93	
Street Improvement Fund, chapter 680, Laws of 1886.....	2,613 35	
County Road Fund, chapter 555, Laws of 1890.....	49,675 41	
Northfield Road Fund, chapter 686, Laws of 1890.....	1,181 15	
Westfield Road Fund, chapter 686, Laws of 1890.....	10,497 47	
Middletown Road Fund, chapter 686, Laws of 1890.....	24,079 30	
Tottenville Road Fund, chapter 414, Laws of 1897.....	7,466 74	
Southfield Road Fund, chapter 686, Laws of 1890.....	35,584 48	
Southfield Boulevard Fund, chapter 686, Laws of 1890.....	55,625 81	
Repaving, chapter 378, Laws of 1897.....	11,825 08	
		\$96,704 07
Grand total.....		\$4,249,420 36

Statement of Monies Received during 1900, and Deposited with the City Chamberlain.

SOURCE OF REVENUE.	MONIES RECEIVED, 1900.	TOTAL.
Borough of Manhattan.		
Restoring and Repaving—Special Fund.....	\$97,764 78	
Vaults.....	148,209 31	
Sheds.....	1,800 00	
Redemptions.....	669 75	
Steam-roller.....	229 50	
Auction sales.....	1,408 01	
		\$250,321 94
Borough of The Bronx.		
Restoring and Repaving—Special Fund.....	\$6,052 63	
Vaults.....	908 75	
Sheds.....	20 00	
Redemptions.....	3 00	
Roller and trucks.....	86 00	
Labor and material.....	35 51	
Auction sales.....	2,624 19	
		9,709 08
Borough of Brooklyn.		
Restoring and Repaving—Special Fund.....	\$38,511 61	
Vaults.....	668 00	
Redemptions.....	8 50	
Auction sales.....	150 30	
		39,338 41
Borough of Queens.		
Restoring and Repaving—Special Fund.....		5,132 98
Borough of Richmond.		
Restoring and Repaving—Special Fund.....		45 00
Grand total.....		\$304,580 04

DOCUMENT "B."

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS,
CHIEF ENGINEER, NOS. 13 TO 21 PARK ROW,
NEW YORK, January 8, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways:

SIR—In accordance with your instructions I beg to submit herewith my report for the office of the Chief Engineer for the year ending December 31, 1900, together with a statement of the amount of work done and the expenditures and balances of appropriations.

On the commencement of the year 27 contracts for regulating, grading, curbing and flagging were in existence. During the year 93 contracts were entered into and 65 contracts completed, at a cost of \$352,414.54.

The engineering force has been engaged during 1900 in giving grades, lines, and the making of estimates for repaving and assessment work in the Borough of Manhattan, as hereafter described in detail; also, in making reports as to cost and assessed valuation for new street improvement work proposed under resolutions of the Local Boards, as well as estimates for repaving various streets and avenues, in accordance with resolutions and inquiries from the Board of Public Improvements and private individuals. Surveys and form of contracts, specifications and a assessment lists have also been prepared, in accordance with resolutions passed by the Board of Public Improvements, authorizing contracts for flagging sidewalks and fencing vacant lots as hereafter described in greater detail.

During the past year 616 notices have been served on owners, lessees or occupants of houses and lots, ordering them to repair their sidewalks, and 1,702 permits have been issued upon application to repair sidewalks. 502 permits have been issued during the year 1900 to contractors and builders for the taking up of flagging for the purpose of crossing sidewalks with horses and carts, in connection with the excavating or filling-in of lots as rendered necessary by building operations.

Numerous applications have been made, both orally and in writing, for the readjustment of street numbers and allotment of new numbers in the northerly section of the city, where building operations have been going on quite extensively, this office having charge of the numbering and renumbering of streets and avenues in accordance with the ordinances of the City and provisions of the Greater New York Charter, so far as they apply to the boroughs of Manhattan and The Bronx.

The cement and chemical laboratory which has been established in the Department has done excellent work, the amount accomplished being shown in detail by tables and report appended herewith.

In the making of operations, where heat or steam is required, the use of the electric current has been used so far as possible and the feasibility of its adaption to modern laboratory practice, where constant and uniform temperatures are required, has been proven to be eminently practicable. During the year the equipment of the laboratory with necessary apparatus for rapid and accurate work has been increased, including the purchase and installation of four new electric coil steam baths for evaporations, distillations, etc.; one electric air bath and rheostat for obtaining uniform temperatures up to 500 degrees Fahrenheit; two ventilating fans; a sieve-shaking machine and a Zeiss Microscope, together with the necessary accessories. With the above additions to the laboratory and reorganization of working methods the efficiency of same has been greatly increased.

The plan followed by the Department is to take samples of asphalt, cement or other mixtures requiring chemical analysis, and report from all work while same is in progress, and any such mixtures or materials found to be defective have been immediately rejected and replaced with new material.

In addition, contractors are required at the time of submitting bids to furnish samples of materials, etc., as proposed to be used. This method has proved to be very satisfactory, as if upon analysis materials are approved the contractor is required to maintain the same quality throughout the course of the work, and whenever the material shows any change from that previously submitted the contractor is immediately notified of such changes and as to the necessity of at once changing the composition to agree with samples originally submitted.

I would also call your attention particularly to the excellence of the asphalt paving mixtures laid during the past year. This has been accomplished primarily by the use of a new sand, the particles of which show an excellent gradation from coarse to fine, thus rendering the percentage of voids to a minimum. In some cases the percentage of fine mineral matter in these mixtures passing a 100 sieve is as high as 40 per cent.

For details showing the large amount of work done by this laboratory during the past year I would refer you to accompanying Tables I., VI., VII. and VIII.

During the year an entire new system of indexing and filing of the maps of the Department has been inaugurated and carried into effect. This was an improvement of great value, as the Department has now on file between six and seven thousand maps, embracing work done in all of the five boroughs of Greater New York. In addition to the new system of filing it was found that under the old plan many maps were lost in being taken from the office, and, therefore, a new method has been devised whereby no map is allowed to leave map room except under certain conditions and upon certain orders.

The clerical force of the Bureau has, in addition to transmitting regular payments and routine work, been kept busy in the making of extra copies of specifications to be given to bidders, in accordance with advertisement of all work let by the Department of Highways in any of the boroughs of Greater New York.

The following table shows plainly a summary of the amount of work accomplished during the past year by the engineering force of this Bureau:

Summary of Surveys, Estimates, Reports, etc., Made in Office of Chief Engineer during the Year 1900.

CLASS OF WORK.	TOTAL FOR YEAR.	
	No.	Estimated Cost.
<i>Accurate Surveys, Maps, Estimates and Reports.</i>		
Grading and repaving with asphalt.....	70	\$1,119,100
Grading and repaving with granite.....	3	\$4,700
Grading and repaving with asphalt-block.....	12	110,160
Regulating, grading, etc. (assessment).....	30	705,700
Regulating, paving with asphalt (assessment).....	2	16,800
Regulating, paving with asphalt-block (assessment).....	1	40,000
Regulating, paving with granite (assessment).....	4	21,900
Flagging and reflagging sidewalks (assessment).....	179	44,004
Laying crosswalks, etc.....	9	5,405 00
Fencing vacant lots.....	28	7,198 00
Total.....		\$2,149,167 00
<i>Estimates and Reports for Local Board and Board of Public Improvements, Exclusive of Report for which Surveys Were Made.</i>		
Grading and repaving with asphalt.....	42	\$995,000 00
Grading and repaving with granite.....	2	16,000 00
Regulating and paving with asphalt.....	5	362,800 00
Regulating and paving with asphalt-block.....	14	219,550 00
Regulating and paving with granite.....	4	20,150 00
Total.....		2,554,500 00
Grand total.....		\$4,703,667 00

The following is a list in detail of the work of the Department.

REGULATING AND GRADING CONTRACTS.

Completed and Accepted during the Year.

Kingsbridge avenue, from Terrace View avenue to Van Cortlandt place.
Edgcombe avenue, from One Hundred and Fifty-fifth street to One Hundred and Seventy-fifth street.
One Hundred and Thirty-ninth street, from Seventh avenue to Fifth avenue.
One Hundred and Fortieth street, from Seventh avenue to Harlem river.
One Hundred and Seventy-eighth street, from Amsterdam avenue to Kingsbridge road.
One Hundred and Eighty-first street, from Kingsbridge road to Boulevard Lafayette.
Twelfth avenue, from Forty-seventh to Fifty-second street.
Eighty-fourth street, from East End avenue to East river.
Fifty-seventh street, from 260 feet west of Eleventh to Twelfth avenue.
Academy street, from Seaman avenue to Hudson river.
Fifty-first street, from Eleventh to Twelfth avenue.

Contracts Let Previous to January 1, 1900, but Awaiting Acceptance.

Emerson street, from Seaman to Amsterdam avenue—This work is practically completed, there being very little work yet to be done, consisting of the removal of improper filling placed in the street by the contractor.

Ninth avenue, from Two Hundred and First street to Kingsbridge road—Two contracts were let for this work, the first being declared abandoned, the second contract is completed, but the question as to the amount of work done under the first contract being in dispute the matter is in litigation before the courts, which delays the final acceptance of this work.

Wadsworth avenue, from One Hundred and Seventy-third street to Eleventh avenue—This contract is completed, awaiting Surveyor's return, in order to finally accept the work.

NEW CONTRACTS FOR REGULATING, GRADING, ETC.

Let during the Year and now in Progress or Completed Pending Acceptance.

One Hundred and Thirty-fifth street, from Amsterdam avenue to Boulevard—This work is composed of excavation, and with the setting of the curb and the laying of the flagging, which is now being done, the street is practically completed.

One Hundred and Thirty-fourth street, from Amsterdam avenue to Boulevard—This contract calls for both excavation and filling and is progressing satisfactorily and will be completed in the spring.

One Hundred and Thirty-sixth street, from Amsterdam avenue to Boulevard—This contract requires a vast amount of excavation to be done, mostly rock excavation. The work is being done in a satisfactory manner and will take a couple of months to complete.

Twelfth avenue, from Fifty-second to Fifty-eighth street—The work called for in this contract is completed and awaits acceptance.

VIADUCTS—CONSTRUCTION OR REPAIRS.

Extension of Riverside Drive Viaduct.

The following amount of work has been done under this contract during the year:

2,150 cubic yards earth excavation, \$0.50.....	\$1,075 00
12,917 cubic feet cut granite, \$2.....	25,834 00
294 cubic yards concrete, \$6.....	1,764 00
13,684,638 pounds of steel, \$0.25.....	3,421 17
666 linear feet bluestone curb, \$0.60.....	399 60
584 cubic yards parapet wall, \$6.....	3,504 00
150.56 linear feet ballustrading, \$25.....	3,764 00
11,661 square yards asphalt in roadway, \$2.50.....	29,152 50
3,880 square yards asphalt in sidewalks, \$1.50.....	5,820 00
1,900 linear feet iron railing, \$3.20.....	6,080 00
1,965 linear feet discharge pipe, \$1.....	1,965 00
16,700 gas and pipe wiring, \$0.75.....	12,525 00
2,700 linear feet cornice, \$1.....	2,700 00
27 gratings, \$8.....	216 00
700 cubic yards filling, \$0.05.....	35 00
Total.....	\$402,738 45

One Hundred and Fifty-fifth Street Viaduct—No new work has been done on this viaduct with the exception of the necessary labor for keeping same clean and the making of a few needed repairs in connection with the carrying off of surface drainage where old leaders and pipes have become broken or worn out.

FLAGGING, REPLAGGING, CURBING AND RECURBING.

Contracts Completed.

North side of West Twenty-second street, from No. 521 to Eleventh avenue—
1,078 square feet new flagging laid.
757 square feet old flagging relaid.
South side West Twenty-second street, from No. 530 to No. 548—
641.5 square feet new flagging laid.
915.8 square feet old flagging relaid.
Opposite No. 380 Broome street—
8.25 linear feet new curb set.
11.75 linear feet old curb reset.
306.7 square feet new flagging laid.
31.3 square feet old flagging relaid.
One Hundred and Sixty-second street (south side), between Kingsbridge road and Broadway—
1,125.6 square feet new flagging laid.
1,202.5 square feet old flagging relaid.
East side of Broadway, from One Hundred and Sixty-first to One Hundred and Sixty-second street—
1,486.4 square feet new flagging laid.
295.6 square feet old flagging relaid.
North side of Twenty-fourth street, from No. 519 to Eleventh avenue—
2,215.2 square feet new flagging laid.
699.4 square feet old flagging relaid.
Twenty-fourth street, West, from No. 512 to Eleventh avenue—
2,443.6 square feet new flagging laid.
823.3 square feet old flagging relaid.
West Twenty-first street, from No. 509 to North river—
1,769.5 square feet new flagging laid.
North side of Ninety-seventh street, between West End avenue and Riverside drive—
62.3 linear feet new curb set.
187.6 linear feet old curb reset.
988.8 square feet new flagging laid.
1,619.1 square feet old flagging relaid.
Charlton street, from No. 130 to corner of Washington street—
408.5 square feet new flagging laid.
119.8 square feet old flagging relaid.
North side of Eighty-ninth street, between Columbus and Amsterdam avenues—
413.8 square feet flagging laid.
Northwest corner of Fortieth street and Eleventh avenue—
260.6 linear feet of new curb set.
1,120.4 square feet new flagging laid.
South side of Fortieth street, between Eleventh and Twelfth avenues—
51.7 linear feet new curb set.
555.2 square feet new flagging laid.
Nos. 132 and 134 West Forty-seventh street, between Sixth and Seventh avenues—
149.2 square feet new flagging laid.
North side Ninetieth street, between Broadway and West End avenue—
305.6 square feet new flagging laid.
837.6 square feet old flagging relaid.
South side Sixtieth street, between Columbus avenue and Central Park, West—
349.6 square feet new flagging laid.
South side One Hundred and Twentieth street, between Fifth and Madison avenues (No. 12)—
123.5 square feet new flagging laid.
North side One Hundred and Eleventh street, from west line of Laura Franklin Hospital and for 50 feet west—
69.3 square feet new flagging laid.
323.3 square feet old flagging relaid.

South side Monroe street, opposite Nos. 266 and 268—
450 square feet new flagging laid.
North side Ninety-fifth street, between Fifth and Madison avenues—
8.7 linear feet new curb set.
248.4 square feet new flagging laid.
830 square feet old flagging relaid.
North side of One Hundred and Thirty-third street, Park to Madison avenues—
308 square feet new flagging laid.
92 square feet old flagging relaid.
West side Amsterdam avenue, opposite Nos. 2400 to 2414—
160.4 square feet new flagging laid.
259.6 square feet old flagging relaid.
North side East One Hundred and Thirty-first street, between Madison and Park avenues—
40.75 linear feet new curb set.
9.00 linear feet old curb reset.
398.00 square feet new flagging laid.
North side One Hundred and Twenty-second street, between Pleasant avenue and Harlem river—
60.6 cubic yards earth.
889.0 square feet new flagging laid.
North side One Hundred and Thirty-seventh street, between Convent and Amsterdam avenues—
246.8 square feet new flagging laid.
1,228.0 square feet old flagging relaid.
Southwest corner of Broadway and One Hundred and Forty-ninth street—
52.3 linear feet new curb set.
124.3 linear feet old curb reset.
557.6 square feet new flagging laid.
181.1 square feet old flagging relaid.
Southeast corner of Broadway and One Hundred and Forty-ninth street—
184.0 square feet new flagging laid.
653.6 square feet old flagging relaid.
South and north sides of One Hundred and Eighteenth street, Park to Madison avenue—
406.0 square feet new flagging laid.
102.4 square feet old flagging relaid.
East side Broadway, One Hundred and Forty-ninth to One Hundred and Fiftieth street—
306.0 square feet new flagging laid.
115.2 square feet old flagging relaid.
West side Park avenue, One Hundred and Seventeenth to One Hundred and Eighteenth street—
14.0 linear feet new curb set.
85.6 linear feet old curb reset.
144.8 square feet new flagging laid.
663.2 square feet old flagging relaid.
North side of One Hundred and Sixteenth street, between Madison and Fifth avenue—
815.2 square feet new flagging laid.
North side of One Hundred and Twenty-third street, Pleasant avenue, west to No. 447—
66.0 linear feet new curb set.
86.4 linear feet old curb reset.
613.6 square feet new flagging laid.
North side of One Hundred and Seventeenth street, from Fifth to Lenox avenue—
516.4 square feet new flagging laid.
223.2 square feet old flagging relaid.
South side of Ninety-first street, Avenue A to First avenue—
1,267.2 square feet new flagging laid.
253.0 square feet old flagging relaid.
Northwest corner of Ninety-ninth street and Madison avenue, and north side of Ninety-ninth street, from No. 15 to Fifth avenue—
588.0 square feet new flagging laid.
1,144.4 square feet old flagging relaid.
West side of St. Nicholas avenue, between One Hundred and Thirty-seventh and One Hundred and Thirty-ninth streets—
1,793.6 square feet new flagging laid.
151.2 square feet old flagging relaid.
East side Amsterdam avenue, from One Hundred and Forty-ninth street to south line of No. 1809—
37.5 linear feet new curb set.
70.0 linear feet old curb reset.
301.6 square feet new flagging laid.
612.4 square feet old flagging relaid.
West side Broadway, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets—
431.6 square feet new flagging laid.
436.8 square feet old flagging relaid.
South side One Hundred and Thirtieth street, between Fifth and Lenox avenues, and east side of Lenox avenue, between One Hundred and Twenty-sixth and One Hundred and Thirtieth streets—
455.2 square feet new flagging laid.
904.8 square feet old flagging relaid.
North side of One Hundred and Fourteenth street, Seventh avenue to east line of No. 25—
210.0 square feet new flagging laid.
1,149.2 square feet old flagging relaid.
West side St. Nicholas avenue, One Hundred and Fiftieth street to south line of No. 809—
470.0 square feet new flagging laid.
East side St. Nicholas avenue, One Hundred and Twenty-fifth street to south line of No. 320—
325.6 square feet new flagging laid.
230.8 square feet old flagging relaid.

Crosswalks Completed.

Intersection of One Hundred and Eighty-first street and Eleventh avenue—
468.8 linear feet bridge stone.
Intersection One Hundred and Fortieth street and Seventh avenue—
626.4 linear feet bluestone bridge stone.
Intersection of Seventh avenue with One Hundred and Thirty-eighth and One Hundred and Thirty-ninth streets—
1,251.0 linear feet bridge stone.

FENCING VACANT LOTS.

Contracts Completed.

No. 10 East Eighteenth street—
30.3 linear feet fence.
Avenue A, between Seventy-eighth and Seventy-ninth streets—
226.3 linear feet fence.
Nos. 318 and 320 East Eighty-second street—
50 linear feet fence.

ENGINEERING SUPERVISION.

During the year engineering supervision, including the giving of lines, grades and the making of both partial and final estimates, as well as the making of all necessary tests of materials in the chemical and cement laboratory of this Bureau, has been carried out over the following contracts, as enumerated in detail in the report of the Superintendent of Street Openings, Paving and Repaving, and involving the expenditure of \$1,075,000.

REPAVING WORK.

Repaving with Sheet Asphalt on Present Pavement.

Broadway, from Fourteenth to Forty-second street.
Twenty-third street, from Fifth to Sixth avenue.
One Hundred and Twenty-fifth street, from Third to Eighth avenue.
Fifty-fifth street, from Sixth to Seventh avenue.
Fifty-fifth street, from Eighth to Ninth avenue.
Twelfth street, from Fourth to Fifth avenue.
Seventieth street, from Columbus avenue to Hudson river.
Ninety-second street, from Park to Fifth avenue.
One Hundred and Nineteenth street, from First to Pleasant avenue.
Thirty-seventh street, from Broadway to Seventh avenue.
Twenty-first street, from First to Third avenue.
One Hundred and Twenty-first street, from Third to Pleasant avenue.
Intersection of Seventy-second street and Amsterdam avenue.
One Hundred and Fifty-sixth street from Seventh to Eighth avenue.
Sixth avenue, from Carmine to Thirteenth street.
Sixth avenue, from Twenty-third to Thirty-third street.
Thirty-first street, from Lexington to Fourth avenue.
Twenty-seventh street, from Madison to Fifth avenue.

Twelfth street, from Third to Fourth avenue.
 Eighth street, from Broadway to Macdonald street.
 Twenty-eighth street, from Eighth to Ninth avenue.
 Twenty-fifth street, from Fourth to Madison avenue.
 Thirty-third street, from Fourth to Madison avenue.
 Seventy-ninth street, from Boulevard to Amsterdam avenue.
 Dutch street, from John to Fulton street.
 Eleventh street, from Broadway to University place.
 Seventy-fifth street, from Third to Lexington avenue.
 Eighty-ninth street, from Second to East End avenue.
 Beaver street, from Hanover to Broad street.
 Seventy-fifth street, from Madison to Park avenue.
 Eighty-fifth street, from First to Lexington avenue.
 One Hundred and Twenty-ninth street, from Fifth to Madison avenue.
 Eighteenth street, from Fifth to Sixth avenue.
 Ninety-first street, from Broadway to Riverside drive.
 Ninety-seventh street, from Amsterdam avenue to Central Park, West.
 One Hundred and Thirty-fourth street, from Seventh to Eighth avenue.
 Stone street, from Broad to Whitehall street.
 Pearl street, from Broad to Whitehall street.
 Sixty-fifth street, from Central Park, West, to Columbus avenue.
 Fifteenth street, from Second avenue, East to limits of grants of land under water.
 Thirteenth street, from Fifth to Sixth avenue.
 Twentieth street, from Sixth to Seventh avenue.
 One Hundred and Twenty-fourth street, from Seventh to Mount Morris avenue.
 Pine street, from William to South street.
 Abingdon square, at Eighth avenue, Hudson and Bank street.
 DePeyster street, from Water to South street.
 Intersection of Seventy-second street and Columbus avenue.
 Water street, from Wall street to Maiden lane.
 King street, from Macdonald to Varick street.
 Eighteenth street, from Broadway to Fifth avenue.
 Eighty-third street, from Madison to Park avenue.
 Eighty-eighth street, from West End avenue to Riverside drive.
 Beaver street, from Broad to New street.
 Vanderbilt avenue, from Forty-fourth to Forty-fifth street; Forty-fourth street, from Vanderbilt to Madison avenue, and Forty-fifth street, from Vanderbilt to Madison avenue.
 Eighty-fourth street, from Boulevard to West End avenue.

Repaving with Rich Asphalt on Present Pavement as Foundation.

Thirty-fifth street, from Park to Lexington avenue.
 Thirty-sixth street, from Park to Lexington avenue.
 Thirty-first street, from Lexington to Third avenue.
 Thirteenth street, from Third to Second avenue.

Repaving with Asphalt Block Pavement on Concrete Foundation.

Ninety-sixth street, from Third to Park avenue.
 Seventy-ninth street, from Columbus to Amsterdam avenue.
 Seventy-sixth street, from West End avenue to Riverside drive.
 One Hundred and Thirty-first street, from Amsterdam avenue to Broadway.
 Fifty-seventh street, from Sixth to Seventh avenue.
 One Hundred and Forty-sixth street, from Convent to St. Nicholas avenue.
 Fiftieth street, from Seventh to Eighth avenue.
 Fortieth street, from Park to Lexington avenue.
 Sixty-sixth street, from Columbus avenue to Central Park, West.
 Morris street, from Broadway to Greenwich street.
 Rector street, from Broadway to Trinity place.
 Cedar street, from Broadway to Trinity place (Church street).

Resurfacing with Macadam Pavement.

Seventh avenue, from One Hundred and Forty-fifth to One Hundred and Fifty-third street.
 Surveys and maps were also made on following contracts for repaving with asphalt on present pavement, which were not ordered on during 1900:

One Hundred and Twenty-fourth street, from Seventh to Mount Morris avenue.
 Fourteenth street, from Fifth to Sixth avenue.
 One Hundred and Eighth street, from Broadway to Riverside drive.

The above work, it will be noticed, includes the very important work undertaken and accomplished by the Department of Highways during the past year of the repaving with asphalt of the entire section of Broadway, from Fourteenth to Forty-second street.

The improvement, besides being a vast benefit to the city at large, will create a favorable impression on many visitors, as the section of Broadway in question is that on which is located almost all of the prominent theatres and hotels on that thoroughfare.

By the construction of an asphalt pavement on Sixth avenue, from Carmine to Thirteenth street, and from Twenty-third to Thirty-third street, the city is given a continuous stretch of asphalt on avenue in question from Carmine to Thirty-third street, which section of Sixth avenue, together with the work done on Twenty-third street, from Fifth to Sixth avenue, and the contract let for repaving with asphalt of Fourteenth street, from Fifth to Sixth avenue, furnishes an excellent asphalt pavement in front of practically all of the large retail and department stores of Manhattan.

The repaving with asphalt of One Hundred and Twenty-fifth street, from Third to Eighth avenue, was an improvement of great benefit to the upper section of the city, particularly as One Hundred and Twenty-fifth street, between limits in question, has become a great centre of the retail trade for the section of the city above Fifty-ninth street.

ASSESSMENT WORK.

PAYABLE FROM "STREET IMPROVEMENT FUND."

Engineering supervision, including the making of chemical analyses and cement tests, has also been carried out during the year over the following contracts, involving an expenditure of \$95,000.

Paving with Sheet Asphalt on Concrete Foundation.

One Hundred and Eighth street, from Central Park, West, to Columbus avenue.
 One Hundred and Thirty-fourth street, from Park to Madison avenue.

Paving with Asphalt Blocks on Concrete Foundation.

One Hundred and Forty-eighth street, from Eighth to Bradhurst avenue.
 One Hundred and Fifty-fourth street, from Eighth to Bradhurst avenue.
 One Hundred and Twenty-fourth street, from Amsterdam avenue to Boulevard.
 One Hundred and Eighty-first street, from Eleventh avenue to Kingsbridge road.
 One Hundred and Fifty-third street, from Eighth avenue to Macomb's Dam road.
 One Hundred and Forty-first street, from Lenox to Seventh avenue.
 One Hundred and Twenty-seventh street, from Boulevard to Manhattan street.
 One Hundred and Thirtieth street, from Seventh to St. Nicholas avenue.
 One Hundred and Seventh street, from Broadway to Riverside drive.
 Macomb's Dam road, from Eighth avenue to Central bridge.
 One Hundred and Sixteenth street, from Amsterdam to Morningside avenue.

Paving with Granite Blocks on Concrete Foundation.

One Hundred and Thirty-ninth street, from Hamilton place to Boulevard.
 East side, intersection of Fourth avenue and Ninety-seventh street.
 One Hundred and Fortieth street, from Hamilton place to Boulevard.

For more detailed statements as to work done by this bureau during the year, and general information, I would refer to the accompanying tables, as well as to illustrations of the more important works in their various stages of construction and completion.

Respectfully,

ANDREW E. FOYE, Acting Chief Engineer.

LIST OF TABLES AND REPORTS ACCOMPANYING REPORT OF CHIEF ENGINEER.

- Table I.—Report of W. H. Broadhurst, Chemist of the Department.
 " II.—Annual Statement of Amount of Work Done During 1900.
 " III.—Amount of Vouchers Drawn During the Year 1900.
 " IV.—Work Completed During the Year 1900.
 " V.—Statement Showing Works Under Contract in Office of Chief Engineer on 31st day of December, 1900.
 " VI.—Table Showing Tests of Hydraulic Cements.
 " VII.—Table Showing Result of Chemical Analysis of Asphalt Pavements Laid in the City During Year 1900.
 " VIII.—Table Showing Result of Analysis of Binder and Refined Asphalts.

TABLE I.

REPORT OF CHEMIST OF THE DEPARTMENT.

Mr. ANDREW E. FOYE, Acting Chief Engineer, Department of Highways.

SIR—The work of testing materials performed in the Chemical and Cement Laboratory during the year 1900 is shown in the accompanying tables. A summary of the number of samples examination is as follows:

Samples submitted with bids.....	1,374
Samples taken from work during construction—	
Hydraulic cements.....	101
Asphalt surface mixtures.....	435
Binder mixtures.....	125
Refined asphalts.....	27
Asphaltic cements.....	23
Miscellaneous samples.....	56
Total.....	2,041

The amount of work accomplished is largely in excess of that of last year. This was rendered possible by the thorough equipment of the new laboratory with the necessary apparatus for rapid and accurate work. The electric current has been utilized so far as possible for operations where heat or steam is required, and the feasibility of its adaption to modern laboratory practice, where constant and uniform temperatures are required, has here been proven to be eminently practical. The more expensive pieces of apparatus of the new installation include four electric coil steam baths for evaporations, distillations, etc.; one electric air bath and rheostat for obtaining uniform temperatures up to 500 degrees Fahrenheit, two ventilating fans; a sieve shaking machine and a Zeiss microscope, together with the usual laboratory accessories to complete the equipment. With these substantial additions and a reorganization of working methods, the efficiency of the laboratory has been largely increased, as shown by the facility with which reports are now forwarded on samples of materials submitted for examination from any of the several boroughs. Mixtures or materials found to be defective have been uniformly rejected and replaced with new material.

The method of requiring samples of materials to be submitted with bids has proved very satisfactory, and if the samples are satisfactory as to composition and formula, they are approved and the contractor is required to maintain the same quality of materials throughout the course of the work. Whenever the material used on the work shows any change from that previously submitted, the contractor is immediately notified to make the necessary change in composition as shown by the analysis or test. This is supplemented by an inspection of the contractor's works, samples of materials being taken before mixing, temperatures noted, etc.

I desire especially to call your attention to the excellence of the asphalt paving mixtures laid during the year by nearly all of the companies. This has been accomplished primarily by the use of a new sand, the particles of which show an excellent gradation from coarse to fine, thus reducing the percentage of voids to a minimum. This use of this sand, together with a large percentage of fine mineral dust and the proper amount and quality of asphaltic cement, produces a very dense mixture, well calculated to stand the wear of heavy traffic streams. In some cases the percentage of fine mineral matter in these mixtures, passing a No. 100 sieve, is as high as 40 per cent. For details, I beg to refer you to the following tables.

Respectfully submitted,
 (Signed) W. H. BROADHURST, Chemist.

TABLE NO. II.

Annual Statement of Amount of Work Done during the Year 1900.

NATURE OF WORK.	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
Earth excavated, cubic yards.....	3,334	35,624	15,507	11,899	77,465
Rock excavated, cubic yards.....	1,127	23,130	28,578	14,739	67,774
Filling furnished, cubic yards.....	2,071	9,149	7,773	11,157	40,150
Curbstones set, linear feet.....	4,345	5,300	6,139	7,139	29,923
Curbstones reset, linear feet.....	8,976	200	.....	379	9,555
Flagging furnished and laid, square feet.....	40,748	30,003	30,253	39,980	140,984
Flagging relaid, square feet.....	21,542	8,412	.....	12,760	42,714
Concrete laid, cubic yards.....	74	299	.....	.....	373
Dressed granite, cubic feet.....	7,143	5,774	.....	.....	12,917
Parapet wall, linear feet.....	232	312	.....	.....	544
Steel furnished, pounds.....	.....	3,380,000	8,180,000	1,410,436	11,970,436
Bale trading, pounds.....	32	118,96	.....	.....	150,96
Asphalt in roadway, square yards.....	.....	.....	.....	11,551	11,551
Asphalt in sidewalk, square yards.....	.....	.....	.....	2,880	2,880
Iron railing, linear feet.....	.....	.....	.....	1,000	1,000
Discharge pipe, linear feet.....	.....	.....	1,635	330	1,965
Gas and pipe wiring, linear feet.....	.....	.....	4,000	10,700	16,700
Cornice, linear feet.....	.....	.....	.....	2,700	2,700
Gratings.....	.....	.....	22	2	24
Curbstones dressed to grade, linear feet.....	1,300	.....	.....	.....	1,300
Retaining-wall, cubic yards.....	.....	844	.....	.....	844
Culvert, linear feet.....	.....	80	00	940	1,020
Bridge stone laid, square feet.....	.....	480	420	2,956	3,856
Fence built, linear feet.....	.....	306	.....	.....	306
Rubble masonry, cubic yards.....	.....	.....	3,602	.....	3,602
Cement masonry, cubic yards.....	.....	.....	764	272	1,036

TABLE III.

Amount of Vouchers Drawn during Year 1900.

ON ACCOUNT OF.	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
Street Improvement Fund.....	\$43,395 74	\$64,498 38	\$83,430 10	\$58,169 45	\$349,493 67
Street Improvements for Surveying, Monuments, etc., 1896.....	400 00	94 00	.....	.....	494 00
Street Improvements for Surveying, Monuments, etc., 1897.....	540 00	446 50	164 30	987 00	2,138 80
Extension Riverside Drive.....	10,486 14	96,542 25	169,790 50	79,453 86	356,372 75
One Hundred and Fifty-fifth street Viaduct—Maintenance and Repairs.....	1,578 30	.....	.....	.....	1,578 30
Chemical and Cement Laboratory.....	21 35	350 23	783 08	851 75	2,006 41
Contingencies.....	18 00	14 87	110 90	121 00	274 77
Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1899.....	.....	291 43	.....	191 08	482 51
Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1900.....	.....	.....	2,479 42	641 60	3,121 02
Boring Examinations for Grading Contracts.....	.....	.....	.....	117 00	117 00

TABLE IV.

WORKS COMPLETED DURING THE YEAR 1900.

Regulating, Grading, Curbing and Flagging.

Kingsbridge avenue, from Terrace View avenue to Van Cortlandt place.	\$3,552 88
One Hundred and Thirty-ninth street, from Seventh avenue to Fifth avenue.	10,510 19
One Hundred and Fortieth street, from Seventh avenue to Harlem river.	8,728 77
Fifty-first street, between Eleventh and Twelfth avenues.	13,241 88
Edgewood avenue, from One Hundred and Fifty-fifth to One Hundred and Seventy-fifth street.	97,413 93
Eighty-fourth street, from East End avenue to East river.	7,162 67
Twelfth avenue, from Forty-seventh to Fifty-second street.	10,372 82
Fifty-seventh street, 260 feet west of Eleventh avenue to Twelfth avenue.	4,770 53
One Hundred and Eighty-first street, from Kingsbridge road to Boulevard Lafayette.	35,095 76
One Hundred and Seventy-eighth street, between Amsterdam avenue and Kingsbridge road.	18,787 59
Academy street, from Seaman avenue to Harlem river.	17,917 20
	<u>\$227,453 32</u>

Flagging, Curbing, etc.

Seventh avenue, from Greenwich avenue to Central Park, South.	\$46,313 21
Twenty-second street, West, from No. 521 to Eleventh avenue.	359 80
Twenty-second street, West, from No. 530 to No. 548.	274 83
Broadway, east side, from One Hundred and Sixty-first to One Hundred and Sixty-second street.	428 68
One Hundred and Sixty-second street, south side, between Kings bridge road and Broadway.	427 86
Eighty-fourth street, from Thirtieth street to Harlem river.	63,759 29
One Hundred and Thirty-fourth street, West, south side, between Lenox and Seventh avenues.	282 21
Eighteenth street, West, No. 246.	169 54
Twenty-fourth street, from No. 519 to Eleventh avenue.	652 36
Sixty-third street, south side, west of Tenth avenue.	152 76
Ninety-seventh street, north side, between West End avenue and Riverside drive.	556 16
Twenty-fourth street, West, from No. 512 to Eleventh avenue.	734 63
Twenty-first street, West, from No. 509 to the river.	514 38
Broome street, No. 380.	107 00
Eighty-ninth street, north side, west of Columbus avenue.	124 92
West End avenue and Ninetieth street, northeast corner.	526 47
Sixtieth street, south side, east of Columbus avenue.	107 75
Fortieth street and Eleventh avenue, northwest corner.	547 21
Fortieth street and Eleventh avenue, southwest corner.	206 73
Forty-seventh street, West, Nos. 132 and 134.	51 12
Charlton and Washington streets, southwest corner.	135 87
One Hundred and Eleventh street, north side, from west line of No. 5 to line of Hospital.	53 53
One Hundred and Thirty-third street, north side, from Madison to Park avenue.	95 36
One Hundred and Thirty-first street, north side, from Madison to Park avenue.	151 38
Manice street, opposite Nos. 266 and 268.	131 50
Ninety-fifth street, north side, from No. 5 to west line of No. 15.	236 10
One Hundred and Sixteenth street, north side, between Madison and Fifth avenues.	226 50

Broadway, east side, from One Hundred and Forty-ninth to One Hundred and Fiftieth street.	\$100 37
Broadway and One Hundred and Forty-ninth street, southeast corner.	111 87
Broadway and One Hundred and Forty-ninth street, southwest corner.	294 39
Forty-fifth street, south side, between Tenth and Eleventh avenues.	1,442 39
Ninety-first street, south side, between Avenue A and First avenue.	368 29
Ninety-ninth street and Madison avenue, northwest corner, etc.	390 53
One Hundred and Seventeenth street, north side, between Fifth and Lenox avenues.	163 95
One Hundred and Thirty-seventh street, north side, from Convent to Amsterdam avenue.	180 62
One Hundred and Eighteenth street, both sides, between Park and Madison avenues.	161 02
Park avenue, west side, from One Hundred and Seventeenth to One Hundred and Eighteenth street.	158 98
One Hundred and Twenty-third street, north side, from Pleasant avenue to east line of No. 447.	279 07
St. Nicholas avenue, west side, from One Hundred and Fiftieth street to south line of No. 809.	139 45
One Hundred and Twenty-second street and Pleasant avenue, northeast corner.	311 80
Broadway, west side, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets.	172 84
St. Nicholas avenue, west side, between One Hundred and Thirty-seventh and One Hundred and Thirty-ninth streets.	494 36
St. Nicholas avenue, east side, from One Hundred and Twenty-fifth street to south line of No. 320.	118 21
Lenox avenue and One Hundred and Thirtieth street, southeast corner.	212 33
One Hundred and Fourteenth street, north side, from Seventh avenue to east line of No. 251.	175 27
Amsterdam avenue, east side, from One Hundred and Forty-ninth street to south line of No. 1809.	220 53
East One Hundred and Twentieth street, No. 12.	54 89
Amsterdam avenue, opposite No. 2400 to No. 2414.	76 66
	<u>\$122,865 39</u>

Fencing.

Avenue A, between Seventy-eighth and Seventy-ninth streets.	\$197 14
Eighty-second street, East, Nos. 318 and 320.	50 72
Eighteenth street, East, No. 10.	34 04
	<u>\$281 80</u>

Crosswalks.

Seventh avenue and One Hundred and Fortieth street, intersection.	\$460 98
Seventh avenue, between One Hundred and Thirty-eighth and One Hundred and Thirty-ninth streets, intersection.	923 70
One Hundred and Eighty-first street and Eleventh avenue, intersection.	429 35
	<u>\$1,814 03</u>

RECAPITULATION—1900.

Regulating, Grading, Curbing and Flagging.	11	\$227,453 32
Flagging, Curbing, etc.	48	122,865 39
Fencing.	3	281 80
Crosswalks.	3	1,814 03
	<u>65</u>	<u>\$352,414 54</u>

TABLE V.

Statement Showing Works Under Contract in Office of Chief Engineer on the 31st day of December, 1900.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME DAYS.	ESTIMATED COST.	AMOUNT			REMARKS.
						Earned.	Retained.	Paid.	
Regulating, Grading, Curbing and Flagging.									
Twelfth avenue, from Fifty-second to Fifty-eighth street.	E. P. Mahony	G. A. Wheeler	J. N. Thomey	70	\$5,097 50	\$3,429 00	\$939 60	\$2,492 40	Completed, but not accepted.
Emerson street, from Seaman to Amsterdam avenue.	W. E. Dean, Jr.	L. F. Olney	P. Byrnes	275	13,847 79	10,250 00	5,775 00	13,475 00	" "
Wadsworth avenue, from One Hundred and Seventy-third street to Eleventh avenue.	J. C. Rodgers	E. C. Stout	B. V. Fraser	150	28,123 75	18,750 00	5,625 00	13,125 00	" "
One Hundred and Thirty-fourth street, from Boulevard to Amsterdam avenue.	P. J. Moran	R. A. Craig	T. Pratt	125	10,409 08	5,094 30	1,598 26	3,705 94	Work in progress.
One Hundred and Thirty-fifth street, from Boulevard to Amsterdam avenue.	W. J. Rodgers	G. S. Griffin	B. V. Fraser	150	28,123 75	18,750 00	5,625 00	13,125 00	Completed, but not accepted.
One Hundred and Thirty-sixth street, from Boulevard to Amsterdam avenue.	F. A. Curry	A. P. Hartmann	S. Bennett	150	20,780 25	9,686 95	2,905 21	6,781 74	Work in progress.
Ninth avenue, from Two Hundred and First street to Kingsbridge road.	D. W. Moran	F. E. Towle	J. D. Van Housum	60	13,597 36	14,157 75	4,337 34	20,495 11	Completed, but not accepted.
Flagging, Relagging, Curbing and Recurbing.									
North side One Hundred and Second street, between Fifth and Madison avenues.	John M. Sheehan	G. S. Griffin		10	306 00				Completed, but not accepted.
South side One Hundred and Fiftieth street, from Bradhurst avenue to No. 329.	"	"		8	808 75				Work not commenced.
North side Seventy-eighth street, opposite No. 37 East.	"	"		1	50 00				"
Northwest corner One Hundred and Forty-eighth street and Seventh avenue.	"	"		5	140 80				"
No. 127 Pitt street.	"	"		1	56 25				"
In front of Nos. 358 to 370 St. Nicholas avenue.	"	"		2	86 80				"
Northeast corner Broadway and Eighty-fifth street.	"	"		5	179 00				"
North side West One Hundred and Fifteenth street, from No. 241 to 227.	"	"		4	188 30				"
South side One Hundred and Forty-ninth street, between Bradhurst and Eighth avenue.	"	"		10	150 15				"
East side Bradhurst avenue, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets.	"	"		5	279 00				"
South side One Hundredth street, from Broadway to Circulating Library.	"	"		1	84 45				"
South side Ninety-seventh street, from Broadway to West End avenue.	"	"		9	258 00				"
North side Sixtieth street, opposite No. 325, to No. 345.	"	"		3	711 61				"
South side Ninety-eighth street, from Broadway to No. 354.	"	"		8	225 08				"
West side Amsterdam avenue, between One Hundred and Forty-second and One Hundred and Forty-third streets.	"	"		7	373 34				"
In front of Nos. 316 and 318 East One Hundred and Seventh street.	B. O'Rourke	"		5	305 60				"
In front of Nos. 346 and 348 St. Nicholas avenue.	"	"		1	39 60				"
North side One Hundred and Forty-second street, from Amsterdam to Convent avenue.	"	"		5	275 60				"
South side One Hundred and Thirty-second street, from Madison to Park avenue.	"	"		3	119 14				"
Southeast corner One Hundred and Seventh street and Columbus avenue.	"	"		4	193 00				"
In front of No. 316 West Eighty-fourth street.	John M. Sheehan	"		2	13 20				"
Southeast corner Park avenue and One Hundred and Seventeenth street.	"	"		5	241 55				"
North side Ninety-first street, between Columbus avenue and Central Park, West.	"	"		8	214 95				"

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME, DAYS.	ESTIMATED COST.	AMOUNT.			REMARKS.
						Earned.	Retained.	Paid.	
Facing Vacant Lots.									
West side Amsterdam avenue, between One Hundred and Seventy-ninth and One Hundred and Eightieth streets.	William Sexton	G. S. Griffin		4	\$97 30				Work not commenced.
East side Eleventh avenue, between Sixty-third and Sixty-fourth streets, etc.	"	"		10	501 30				"
East side St. Nicholas avenue, opposite Nos. 746 and 748.	"	"		3	20 25				"
North side Fifty-ninth street, between Tenth and Eleventh avenues.	"	"		3	50 00				"
South side Sixty-third street, between Amsterdam and West End avenues.	"	"		4	195 67				"
Southeast corner Broadway and One Hundred and Fifty-third street.	"	"		4	123 34				"
North side One Hundred and Seventeenth street, between Fifth and Lenox avenues.	"	"		3	120 25				"
North side Sixty-second street, from 100 feet east of Eleventh avenue to 125 feet east.	"	"		3	73 75				"
South side One Hundred and Seventh street, opposite Nos. 316 and 318 East.	"	"		3	39 50				"
East side Amsterdam avenue, between One Hundred and Eighty-fourth and One Hundred and Eighty-fifth streets.	"	"		3	200 60				Work suspended.
Southeast corner Amsterdam avenue and One Hundred and Sixty-third street.	"	"		3	195 00				Work not commenced.
North side One Hundred and Fortieth street, west of Amsterdam avenue.	"	"		3	83 19				"
West side West End avenue, from One Hundred and Sixth to One Hundred and Seventh street.	"	"		3	73 75				"
South side Sixteenth street, from 100 feet east of Eleventh avenue to 225 feet east.	"	"		3	73 75				"
North side Sixty-second street, from 225 feet west of Tenth avenue to 275 feet west.	"	"		3	32 50				"
West side Amsterdam avenue, between One Hundred and Seventy-second and One Hundred and Seventy-third streets.	"	"		2	59 00				Completed but not accepted.
West side Amsterdam avenue, between One Hundred and Seventy-third and One Hundred and Seventy-fourth streets.	"	"		5	109 15				"
Nos. 50 to 70 East One Hundred and Eighteenth street.	"	"		2	59 00				"
West side Amsterdam avenue, from One Hundred and Seventy-eighth to One Hundred and Seventy-ninth street.	"	"		4	103 85				Work not commenced.
Opposite No. 304 West One Hundred and Thirty-first street.	"	"		1	14 75				Completed but not accepted.
North side Ninety-ninth street, between Second and Third avenues.	"	"		3	38 50				"
Extension of Riverside drive.	O'Brien, Sheehan & McMan	F. C. Fay and W. F. Stone	F. Stuart Williamson	400	\$570,000 00	\$725,140 60	\$103,771 09	\$626,369 51	
Total.					\$705,006 03	\$814,480 30	\$135,567 08	\$678,913 22	

TABLE VI.

Table Showing Tests of Hydraulic Cements.

Sample No.	Date Received.	LOCATION.	BRAND.	TIME OF SET.		PERCENTAGE OF WATER USED.		TENSILE STRENGTH POUNDS PER SQUARE INCH. (AVERAGE OF SIX BRIQUETTES.)				
								BEST CEMENT.			STANDARD QUARTZ, SAND, 3 PARTS, CEMENT, 1 PART.	
				Initial Set.	Final Set.	Best Cement.	3 Parts Sand.	1 Day.	7 Days.	28 Days.	7 Days.	28 Days.
C-1	Jan. 2	Submitted—Mulberry street.	Giant.	1 h. 0 m.	2 h. 30 m.	19	9	270	425	510	120	120
C-2	" 3	"	Sterling.	1 h. 15 m.	2 h. 45 m.	20	10	234	418	510	91	100
C-3	" 5	"	Giant.	1 h. 30 m.	2 h. 45 m.	19	9	211	397	510	131	100
C-4	" 8	"	Atlas.	1 h. 10 m.	2 h. 30 m.	17	8	200	358	510	149	217
C-5	" 8	"	Giant.	1 h. 35 m.	2 h. 45 m.	20	9 1/2	209	401	508	135	100
C-6	" 10	Riverside Drive Viaduct.	"	1 h. 5 m.	2 h. 15 m.	20	9 1/2	200	418	500	133	100
C-7	" 17	Submitted.	Atlas.	1 h. 30 m.	2 h. 30 m.	17	8 1/2	246	384	508	163	100
C-8	" 19	" Mulberry street.	Giant.	1 h. 5 m.	2 h. 25 m.	20	9	214	404	502	136	100
C-9	" 26	"	"	1 h. 20 m.	2 h. 55 m.	20	10	197	404	499	131	100
C-10	Feb. 5	Riverside Drive Viaduct.	"	1 h. 15 m.	2 h. 40 m.	20	10	204	405	509	130	100
C-11	" 9	Submitted—Mulberry street.	"	1 h. 15 m.	2 h. 45 m.	20	10	204	407	498	130	100
C-12	" 16	"	"	1 h. 20 m.	2 h. 40 m.	20	9 1/2	207	406	499	130	100
C-13	" 16	"	Atlas.	1 h. 35 m.	3 h. 5 m.	17	8	253	578	715	170	100
C-14	" 19	"	Giant.	1 h. 10 m.	2 h. 30 m.	21	9 1/2	296	404	502	131	100
C-15	" 19	"	Sterling.	1 h. 20 m.	2 h. 50 m.	20	9	127	218	335	84	100
C-16	Apr. 3	Riverside Drive Viaduct.	Giant.	1 h. 5 m.	2 h. 15 m.	22	10	209	404	500	138	100
C-17	" 18	Submitted—Mulberry street.	"	1 h. 20 m.	2 h. 35 m.	18	10	207	405	508	136	100
C-18	" 26	"	Alpha.	1 h. 35 m.	3 h. 15 m.	19	9	226	519	700	194	100
C-19	" 27	" Mulberry street.	Giant.	1 h. 15 m.	2 h. 38 m.	20	9	182	415	609	138	100
C-20	" 30	"	Atlas.	1 h. 30 m.	3 h. 10 m.	17	8	440	503	843	150	100
C-21	May 1	Eighty-first street, between Amsterdam and Columbus avenues.	Alpha.	1 h. 37 m.	2 h. 55 m.	19	8 1/2	240	534	850	203	100
C-22	" 5	Submitted.	Commercial Portland.	1 h. 40 m.	3 h. 10 m.	18	8 1/2	237	448	1000	97	100
C-23	" 5	"	Alpha.	1 h. 55 m.	2 h. 10 m.	20	9	324	579	1000	202	100
C-24	" 5	" Atlas.	Atlas.	1 h. 15 m.	2 h. 30 m.	17	7 1/2	221	539	1000	206	100
C-25	" 5	Riverside Drive Viaduct.	Giant.	1 h. 0 m.	2 h. 20 m.	19	9	213	419	1000	132	100
C-26	" 5	Submitted.	Star.	1 h. 35 m.	3 h. 35 m.	20	10	213	344	1000	80	100
C-27	" 5	"	"	1 h. 35 m.	2 h. 15 m.	20	10	156	356	1000	194	100
C-28	" 7	"	Lehigh.	1 h. 15 m.	2 h. 40 m.	21	10	342	557	821	165	100
C-29	" 9	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	Giant.	1 h. 15 m.	2 h. 35 m.	19	9	218	505	793	139	100
C-30	" 8	Eighty-first street, between Amsterdam and Columbus avenues.	Alpha.	1 h. 35 m.	3 h. 10 m.	19	8 1/2	243	580	834	194	100
C-31	" 11	"	"	1 h. 35 m.	3 h. 10 m.	19	8 1/2	74	322	1000	100	100
C-32	" 14	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	Giant.	1 h. 15 m.	2 h. 35 m.	19	9	194	744	772	139	194
C-33	" 9	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	"	1 h. 30 m.	2 h. 55 m.	19	9	100	534	1000	100	100
C-34	" 13	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	"	1 h. 30 m.	3 h. 5 m.	19	9	184	547	1000	234	100
C-35	" 18	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	"	1 h. 38 m.	3 h. 20 m.	19	9	227	675	1000	141	100
C-36	" 18	One Hundred and Thirty-ninth street, between Hamilton place and Boulevard.	"	1 h. 40 m.	3 h. 0 m.	19	8 1/2	201	668	1000	100	100
C-37	June 1	Submitted.	Saylor's.	0 h. 40 m.	2 h. 25 m.	20	9	255	754	825	192	364
C-38	" 8	"	Alpha.	1 h. 65 m.	2 h. 30 m.	19	9	222	539	1000	100	100
C-39	" 8	"	Atlas.	1 h. 20 m.	2 h. 35 m.	17	8	248	619	1000	100	100
C-40	" 8	"	Vulcanite.	1 h. 10 m.	2 h. 30 m.	21	9 1/2	169	633	1000	100	100

Sample No.	Date Received.	LOCATION.	BRAND.	TIME OF SET.		PERCENTAGE OF WATER USED.		TENSILE STRENGTH POUNDS PER SQUARE INCH. (AVERAGE OF SIX BRICKQUETTES)				
								NEAT CEMENT.			STANDARD QUARTS, SAND, 3 PARTS; CEMENT, 1 PART.	
				Initial Set.	Final Set.	Neat Cement.	3 Parts Sand.	1 Day.	7 Days.	28 Days.	7 Days.	28 Days.
C-40	June 3	Submitted	Atlas	1 h. 00 m.	2 h. 45 m.	17	8	945	639	800	805	800
C-41	" 12	"	Alpha	1 h. 10 m.	2 h. 25 m.	19	8 1/2	1021	646	777	777	777
C-42	" 12	"	Vulcanite	1 h. 15 m.	2 h. 35 m.	21	9 1/2	977	734	777	777	777
C-43	" 12	One Hundred and Seventh street, between West End avenue and Riverside drive.	Alpha	1 h. 5 m.	2 h. 30 m.	19	8 1/2	106	650	777	777	777
C-44	" 15	One Hundred and Seventh street, between West End avenue and Riverside drive.	"	1 h. 0 m.	2 h. 30 m.	19	8	990	663	819	777	777
C-45	" 16	One Hundred and Seventh street, between West End avenue and Riverside drive.	"	1 h. 3 m.	2 h. 25 m.	19	8 1/2	107	600	812	777	777
C-46	" 20	One Hundred and Twenty-seventh street, between Manhattan avenue and Boulevard.	"	1 h. 30 m.	2 h. 25 m.	19	8 1/2	919	639	777	777	777
C-47	" 21	One Hundred and Twenty-seventh street, between Manhattan avenue and Boulevard.	"	1 h. 25 m.	2 h. 10 m.	19	8	910	615	891	777	777
C-48	" 21	Submitted	Zenith	0 h. 0 m.	4 h. 30 m.	20	5	135	397	777	777	777
C-49	" 22	"	Commercial Rosendale	1 h. 0 m.	2 h. 45 m.	25	17	58	148	777	777	777
C-50	" 22	"	Krause's	1 h. 20 m.	2 h. 45 m.	20	9	702	716	899	777	777
C-51	June 29	One Hundred and Eighty-first street, between Eleventh avenue and Kingsbridge road.	Atlas	1 h. 25 m.	2 h. 40 m.	17	8	941	618	777	777	777
C-52	" 28	One Hundred and Thirtieth street, between Seventh and St. Nicholas avenues.	Alpha	1 h. 00 m.	2 h. 45 m.	20	9	980	690	813	777	777
C-53	July 3	One Hundred and Eighty-first street, between Eleventh avenue and Kingsbridge road.	Atlas	1 h. 25 m.	2 h. 5 m.	17	8 1/2	918	611	777	777	777
C-54	" 6	Submitted	Giant	1 h. 10 m.	2 h. 40 m.	20	9 1/2	942	632	712	777	777
C-55	" 15	"	Atlas	1 h. 5 m.	2 h. 35 m.	17	8	905	609	711	777	777
C-56	" 15	"	Vulcanite	1 h. 8 m.	2 h. 25 m.	21	9 1/2	954	619	801	777	777
C-57	" 16	One Hundred and Forty-first street, between Seventh and Lenox avenues.	Alpha	1 h. 18 m.	2 h. 47 m.	19	8	918	618	720	777	777
C-58	" 20	Submitted	Giant	1 h. 15 m.	2 h. 48 m.	19	8	918	610	701	777	777
C-59	" 21	One Hundred and Forty-first street, between Seventh and Lenox avenues.	Alpha	1 h. 9 m.	2 h. 33 m.	19	9	914	610	824	777	777
C-60	" 27	One Hundred and Forty-first street, between Seventh and Lenox avenues.	"	1 h. 10 m.	2 h. 30 m.	19	9	918	618	750	777	777
C-61	" 28	One Hundred and Fifty-third street, between Eighth avenue and Macomb's dam road.	"	1 h. 8 m.	2 h. 25 m.	19	8 1/2	916	618	653	777	777
C-62	" 28	Submitted	"	1 h. 25 m.	2 h. 35 m.	19	8 1/2	911	611	730	777	777
C-63	" 31	"	Saylor's	1 h. 15 m.	2 h. 40 m.	20	8 1/2	956	730	804	777	777
C-64	" 30	"	Giant	1 h. 20 m.	2 h. 35 m.	21	9	918	611	606	777	777
C-65	" 30	"	Atlas	1 h. 18 m.	2 h. 45 m.	17	8	911	611	753	777	777
C-66	" 27	One Hundred and Eighth street, between Manhattan and Columbus avenues.	Vulcanite	1 h. 22 m.	2 h. 48 m.	21	9 1/2	955	619	805	777	777
C-67	Aug. 1	One Hundred and Eighth street, between Manhattan and Columbus avenues.	"	1 h. 12 m.	2 h. 30 m.	21	10	948	614	740	777	777
C-68	" 2	Submitted	Atlas	1 h. 25 m.	2 h. 45 m.	17	8	928	700	783	777	777
C-69	" 2	"	Vulcanite	1 h. 25 m.	2 h. 45 m.	21	10	945	677	752	777	777
C-70	" 3	"	Giant	1 h. 18 m.	2 h. 33 m.	21	9 1/2	941	574	773	777	777
C-71	" 3	"	Atlas	1 h. 12 m.	2 h. 25 m.	17	8	922	506	749	777	777
C-72	" 7	Seventy-ninth street, between Columbus and Amsterdam avenues.	Alpha	1 h. 18 m.	2 h. 35 m.	21	9 1/2	980	644	768	777	777
C-73	" 10	"	"	1 h. 15 m.	2 h. 15 m.	21	9 1/2	920	605	788	777	777
C-74	" 11	"	"	1 h. 5 m.	2 h. 30 m.	21	9 1/2	936	637	809	777	777
C-75	" 11	Submitted	Giant	1 h. 20 m.	2 h. 35 m.	21	9 1/2	950	609	786	777	777
C-76	" 19	Seventy-ninth street, between Columbus and Amsterdam avenues.	Alpha	1 h. 16 m.	2 h. 28 m.	21	9 1/2	931	624	749	777	777
C-77	" 21	Seventy-ninth street, between West End avenue and Riverside drive.	"	1 h. 12 m.	2 h. 30 m.	21	9 1/2	924	618	754	777	777
C-78	" 22	Submitted	Vulcanite	1 h. 25 m.	2 h. 40 m.	21	10	938	643	789	777	777
C-79	" 23	"	Union Rosendale	0 h. 45 m.	1 h. 30 m.	24	11	87	133	205	777	777
C-80	" 27	Seventy-ninth street, between West End avenue and Riverside drive.	Alpha	1 h. 23 m.	2 h. 45 m.	21	9 1/2	937	630	707	777	777
C-81	" 31	One Hundred and Twenty-fourth street, between Amsterdam and West End avenues.	Atlas	1 h. 38 m.	2 h. 18 m.	17	8	928	615	768	777	777
C-82	" 31	One Hundred and Twenty-fourth street, between Amsterdam and West End avenues.	"	1 h. 40 m.	2 h. 10 m.	17	8	897	640	750	777	777
C-83	Sept. 4	One Hundred and Fortieth street, between Hamilton place and Boulevard.	Giant	1 h. 10 m.	2 h. 25 m.	20	8 1/2	124	351	405	777	777
C-84	" 5	Fiftieth street, between Seventh and Eighth avenues.	Alpha	1 h. 17 m.	2 h. 35 m.	21	9 1/2	936	600	741	777	777
C-85	" 6	One Hundred and Fortieth street, between Hamilton place and Boulevard.	Giant	1 h. 55 m.	2 h. 0 m.	24	10 1/2	147	699	777	777	777
C-86	" 7	Fiftieth street, between Seventh and Eighth avenues.	Alpha	1 h. 0 m.	2 h. 28 m.	21	10	973	672	740	777	777
C-87	" 12	One Hundred and Fortieth street, between Hamilton place and Boulevard.	Giant	1 h. 23 m.	2 h. 30 m.	21	10	930	620	683	777	777
C-88	" 21	One Hundred and Fortieth street, between Hamilton place and Boulevard.	"	1 h. 00 m.	2 h. 30 m.	21	10	899	596	658	777	777
C-89	" 1	Submitted—Mulberry street.	"	1 h. 18 m.	2 h. 45 m.	21	10	930	620	637	777	777
C-90	" 15	Twenty-third street, between Fifth and Sixth avenues.	Atlas	1 h. 25 m.	2 h. 30 m.	17	8	909	636	737	777	777
C-91	" 17	Fifty-seventh street, between Sixth and Seventh avenues.	Alpha	1 h. 25 m.	2 h. 45 m.	21	9 1/2	934	638	741	777	777
C-92	" 25	Submitted	Steel	3 h. 20 m.	0 h. 5 m.	25	11	116	461	596	777	777
C-93	Oct. 9	Fortieth street, between Park and Lexington avenues.	Alpha	1 h. 18 m.	2 h. 33 m.	21	10	935	638	743	777	777
C-94	" 17	Ninety-sixth street, between Third and Park avenues.	"	1 h. 35 m.	2 h. 0 m.	21	10	930	635	747	777	777
C-95	" 22	"	"	1 h. 15 m.	2 h. 30 m.	21	10	940	634	738	777	777
C-96	" 26	Cedar street, between Broadway and Church street.	"	1 h. 23 m.	2 h. 31 m.	21	10	928	637	730	777	777
C-97	" 31	Rector street, between Broadway and Trinity place.	"	1 h. 38 m.	2 h. 12 m.	21	9 1/2	939	645	768	777	777
C-98	Nov. 5	Submitted	Vulcanite	1 h. 40 m.	2 h. 0 m.	22	10	943	673	761	777	777
C-99	" 5	Morris street, between Broadway and Greenwich street.	Alpha	1 h. 25 m.	2 h. 45 m.	21	10	930	635	740	777	777
C-100	" 9	Submitted	Victor	1 h. 20 m.	2 h. 40 m.	21	10	133	495	570	777	777
C-101	" 9	East avenue, Borough of Queens.	Vulcanite	1 h. 45 m.	2 h. 5 m.	22	10 1/2	932	626	764	777	777
C-102	" 14	"	"	1 h. 40 m.	2 h. 0 m.	22	10 1/2	957	667	777	777	777
C-103	" 16	Submitted	Krause's	1 h. 38 m.	2 h. 5 m.	20	10	934	591	777	777	777
C-104	" 16	Sixty-sixth street, between Columbus avenue and Central Park West.	Alpha	1 h. 15 m.	2 h. 38 m.	20	9 1/2	934	635	732	777	777
C-105	" 16	East avenue, Borough of Queens.	Vulcanite	1 h. 25 m.	2 h. 0 m.	22	11	937	621	751	777	777
C-106	" 19	West Eighty-fourth street, between East End avenue and East river.	Atlas	1 h. 14 m.	2 h. 38 m.	18	8 1/2	939	640	750	777	777
C-107	" 22	East avenue, Borough of Queens.	Vulcanite	1 h. 35 m.	2 h. 10 m.	22	11	944	685	770	777	777
C-108	" 26	Sixty-sixth street, between Columbus avenue and Central Park West.	Alpha	1 h. 16 m.	2 h. 47 m.	21	10	952	649	744	777	777
C-109	" 26	One Hundred and Sixty-sixth street, between Amsterdam and Morningside avenues.	Giant	1 h. 40 m.	2 h. 30 m.	22	11	144	371	777	777	777
C-110	" 27	One Hundred and Sixty-sixth street, between Amsterdam and Morningside avenues.	"	1 h. 25 m.	2 h. 40 m.	20	9	956	395	483	777	777
C-111	Dec. 3	One Hundred and Thirty-fourth street, between Madison and Park avenues.	Atlas	1 h. 18 m.	2 h. 35 m.	17	8	936	637	777	777	777
C-112	" 5	Submitted	Commercial Rosendale	0 h. 45 m.	1 h. 40 m.	24	10 1/2	77	332	777	777	777
C-113	" 5	"	"	0 h. 55 m.	2 h. 25 m.	28	11 1/2	47	97	777	777	777
C-114	" 5	"	"	0 h. 55 m.	2 h. 25 m.	28	11 1/2	42	83	777	777	777

TABLE VII
Table Showing Analyses of Asphalt Pavement.

Sample No.	LOCATION OF CONTRACT.	BOROUGH.	CONTRACTOR.	DESCRIPTION OF SAMPLE.	Date Received.	Per Cent. of Matter Soluble in CS ₂ .	Per Cent. of Insoluble Matter.	PERCENTAGES OF INSOLUBLE MATTER RETAINED BY SIEVES. (MESHES PER LINEAR INCH.)							
								10-Mesh.	20-Mesh.	40-Mesh.	60-Mesh.	80-Mesh.	100-Mesh.	200-Mesh.	Passing 200-Mesh.
P-1	Huswick avenue.	Brooklyn.	.....	.....	Apr. 27	9.36	90.64	1.72	11.94	25.43	25.01	6.81	9.45	4.35	14.67
P-2	Fifty-seventh street, between Lexington and Third avenues.	Manhattan.	Sicilian Asphalt Paving Company.	Wearing surface.	May 9	10.60	89.40	.08	8.63	28.47	26.27	7.60	8.39	5.98	14.18
P-3	Fifty-seventh street, between First and Second avenues.	Brooklyn.	Brooklyn Alcatraz Asphalt Company.	"	" 21	9.66	90.34	1.16	13.28	19.80	21.64	8.18	11.03	10.31	22.15
P-4	Bedford avenue, between Wallabout street and Flushing avenue.	"	Cranford Company.	"	" 23	9.20	90.80	6.27	13.84	27.53	25.11	6.83	6.33	3.40	60.09
P-5	Bedford avenue, between Lynch and Wallabout streets.	"	"	"	" 24	9.09	90.91	5.19	14.25	28.63	25.06	6.37	6.81	1.45	11.32
P-6	Eighty-first street, between Amsterdam and Columbus avenues.	Manhattan.	Hastings Pavement Company.	Asphalt block.	" 12	5.90	94.10	42.72	11.10	7.85	4.52	2.23	4.19	8.55	10.82
P-7	Eighty-first street, between Amsterdam and Columbus avenues.	"	"	"	" 13	6.03	93.97	41.30	11.81	7.99	4.47	9.91	4.15	8.78	19.36
P-8	Bedford avenue, between Park and Myrtle avenues.	Brooklyn.	Cranford Company.	Wearing surface.	" 26	9.39	90.61	5.09	11.93	27.64	27.53	7.34	7.17	1.26	9.12
P-9	Bedford avenue, between Myrtle and Willoughby avenues.	"	"	"	" 28	9.29	90.71	4.90	12.35	26.12	26.30	8.38	8.39	1.35	9.57
P-10	Bedford avenue, between Myrtle and Willoughby avenues.	"	"	"	" 28	9.53	90.47	5.45	12.65	27.19	26.97	8.89	7.73	1.15	10.67
P-11	Bedford avenue, between Willoughby and De Kalb avenues.	"	"	"	" 28	9.11	90.89	.....	.....	.....	.....	.....	.....	.....	.....
P-12	Richmond street, corner of Ridgewood avenue.	"	Eastern Bermudes Asphalt Paving Company.	"	" 28	9.29	90.71	.....	.....	.....	.....	.....	.....	.....	.....
P-13	Sixty-fifth street, between Lexington and Third avenues.	Manhattan.	Uvalde Asphalt Paving Company.	"	June 2	9.50	90.50	1.80	15.74	28.18	24.36	5.80	6.94	4.20	13.68
P-14	Richmond street, between Fulton street and Jamaica avenue.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	"	" 5	10.11	89.87	.....	.....	.....	.....	.....	.....	.....	.....
P-15	Bedford avenue, between Quincy street and Gates avenue.	"	Cranford Company.	"	" 5	9.89	90.11	.....	.....	.....	.....	.....	.....	.....	.....
P-16	Twenty-eighth street, between Fourth and Fifth avenues.	Manhattan.	Sicilian Asphalt Paving Company.	"	" 8	9.92	90.08	.....	.....	.....	.....	.....	.....	.....	.....
P-17	Thirty-third street, between Second and Third avenues.	"	Uvalde Asphalt Paving Company.	"	" 11	9.85	90.15	1.35	10.44	28.71	26.68	7.41	7.38	4.60	11.69
P-18	One Hundred and Twenty-ninth street, between Seventh and Lenox avenues.	"	Asphalt Construction Company.	"	" 15	9.94	90.06	.....	.....	.....	.....	.....	.....	.....	.....
P-19	Bedford avenue, between Putnam and Jefferson avenues.	Brooklyn.	Cranford Company.	"	" 15	9.82	90.18	4.93	12.06	28.93	26.36	6.68	6.09	3.09	10.44
P-20	Richmond street.	"	Eastern Bermudes Asphalt Paving Company.	"	" 15	9.49	90.51	.09	8.99	25.12	28.28	7.88	8.81	6.00	14.73
P-21	Bedford avenue, between Madison street and Putnam avenue.	"	Cranford Company.	"	" 15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P-22	Bedford avenue, between Putnam and Jefferson avenues.	"	"	"	" 15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P-23	Bedford avenue, between Jefferson avenue and Hancock street.	"	"	"	" 15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P-24	Bedford avenue, between Putnam and Jefferson avenues.	"	"	"	" 15	9.34	90.66	4.89	13.73	26.82	25.99	6.91	7.10	2.40	11.21
P-25	Bedford avenue, between Monroe and Madison streets.	"	"	"	" 15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P-26	Bedford avenue, corner Hancock street.	"	"	"	" 15	9.29	90.71	4.63	10.90	25.43	27.06	7.11	8.69	4.99	19.19
P-27	Bedford avenue, between Malley and Fulton streets.	"	"	"	" 20	9.45	90.55	4.08	11.54	26.28	27.50	7.50	7.58	4.30	10.86
P-28	Thirty-first street, between Lexington and Fourth avenues.	Manhattan.	Standard Asphalt Company.	"	" 25	10.24	89.76	1.35	4.07	10.78	13.46	8.20	27.12	10.88	28.17
P-29	Thirty-first street, between Lexington and Fourth avenues.	"	"	"	" 25	10.41	89.59	1.91	3.92	10.76	13.35	8.37	26.82	17.15	18.72
P-30	Eighty-fourth street, between First and Second avenues.	"	Asphalt Construction Company.	"	" 25	10.72	89.28	.....	2.02	22.95	28.23	9.85	12.22	9.85	14.88
P-31	Sutter avenue, between Alabama and Williams avenues.	Brooklyn.	Cranford Company.	"	" 28	9.95	90.05	3.62	11.83	26.84	27.08	7.84	8.05	4.05	10.69
P-32	Sutter avenue, between Alabama and Williams avenues.	"	"	"	" 28	9.48	90.52	2.98	11.87	25.68	27.34	8.06	8.84	4.51	9.20
P-33	Eighty-fourth street, between East End avenue and Avenue A.	Manhattan.	Asphalt Construction Company.	"	July 2	10.51	89.49	1.07	3.99	10.53	13.31	8.27	27.03	16.86	18.94
P-34	Twenty-eighth street, between Lexington and Third avenues.	"	Sicilian Asphalt Paving Company.	"	" 3	10.08	89.92	.....	.....	.....	.....	.....	.....	.....	.....
P-35	Satter avenue, 50 feet west of Powell street.	Brooklyn.	Cranford Company.	"	" 6	9.02	90.98	.....	.....	.....	.....	.....	.....	.....	.....
P-36	Twenty-first street, between First and Second avenues.	Manhattan.	Standard Asphalt Company.	"	" 7	9.46	90.54	1.29	8.88	18.28	18.34	7.74	18.10	9.12	17.38
P-37	One Hundred and Twenty-first street, between Second and Third avenues.	"	"	"	" 11	9.88	90.12	2.45	10.11	20.11	20.75	6.20	13.65	13.28	15.45
P-38	Hancock street, between Howard and Saratoga avenues.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	"	" 12	11.01	88.99	.04	6.68	24.55	24.80	7.38	8.36	12.42	15.77
P-39	One Hundred and Fifty-third street, between Eighth avenue and Macomb's Dam road.	Manhattan.	Hastings Pavement Company.	Asphalt block.	" 13	5.60	94.40	.....	.....	.....	.....	.....	.....	.....	.....
P-40	One Hundred and Forty-first street, between Lenox and Seventh avenues.	"	"	"	" 13	6.08	93.92	.....	.....	.....	.....	.....	.....	.....	.....
P-41	Hancock street, between Saratoga avenue and Broadway.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	Wearing surface.	" 14	10.97	89.03	.....	7.03	24.03	23.17	7.07	8.53	10.94	16.63
P-42	One Hundred and Twenty-first street, between First and Second avenues.	Manhattan.	Standard Asphalt Company.	"	" 16	9.36	90.64	2.89	8.11	18.96	20.19	7.80	16.08	9.00	16.99
P-43	Amity street, between Clinton and Court streets.	Brooklyn.	Cranford Company.	"	" 17	9.56	90.44	5.72	12.11	26.31	26.73	7.87	7.33	1.59	11.41
P-44	Dean street, between Smith street and Boerum place.	"	"	"	" 21	11.30	88.70	.....	.....	.....	.....	.....	.....	.....	.....
P-45	Amity street, between Clinton and Court streets.	"	"	"	" 22	9.20	90.80	.....	.....	.....	.....	.....	.....	.....	.....
P-46	One Hundred and Nineteenth street, between First and Pleasant avenues.	Manhattan.	Standard Asphalt Company.	"	" 23	9.39	90.61	.....	.....	.....	.....	.....	.....	.....	.....
P-47	Degraw street, between Smith and Hoyt streets.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	"	" 24	9.06	90.94	.....	.....	.....	.....	.....	.....	.....	.....
P-48	Degraw street, between Smith and Hoyt streets.	"	Eastern Bermudes Asphalt Paving Company.	"	" 24	9.43	90.57	.....	.....	.....	.....	.....	.....	.....	.....
P-49	Degraw street, between Smith and Hoyt streets.	"	Eastern Bermudes Asphalt Paving Company.	"	" 24	9.07	90.93	.....	.....	.....	.....	.....	.....	.....	.....
P-50	One Hundred and Thirty-sixth street, between Seventh and Eighth avenues.	Manhattan.	Standard Asphalt Company.	"	" 27	10.03	89.97	0.49	3.45	11.11	11.76	7.54	15.86	19.50	16.29
P-51	One Hundred and Thirty-sixth street, between Seventh and Eighth avenues.	"	"	"	" 28	9.77	90.23	0.28	4.94	9.13	24.09	8.11	16.21	11.85	17.84
P-52	Ninety-second street, between Fifth and Madison avenues.	"	"	"	" 31	9.41	90.59	0.49	4.06	16.98	25.55	7.39	19.95	15.93	16.59
P-53	Dean street, between Hoyt and Bond streets.	Brooklyn.	Cranford Company.	"	" 32	10.02	89.98	4.44	11.69	26.80	26.16	7.80	7.17	4.17	11.55
P-54	Ninety-second street, between Madison and Park avenues.	Manhattan.	Standard Asphalt Company.	"	Aug. 1	10.12	89.88	.....	.....	.....	.....	.....	.....	.....	.....
P-55	Sackett street, between Hoyt and Bond streets.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	"	" 1	10.38	89.62	.....	3.82	13.78	21.07	8.99	16.06	18.23	17.05
P-56	Dean street, between Bond and Nevins streets.	"	Cranford Company.	"	" 1	9.50	90.50	.....	.....	.....	.....	.....	.....	.....	.....
P-57	Ninety-second street, between Madison and Park avenues.	Manhattan.	Standard Asphalt Company.	"	" 2	9.88	90.12	0.67	2.75	7.12	11.09	7.01	15.41	15.46	10.49
P-58	Fifty-fifth street, between Eighth and Ninth avenues.	"	Sicilian Asphalt Paving Company.	"	" 3	9.04	90.96	.....	5.94	16.82	30.81	12.75	12.13	3.31	15.92
P-59	Dean street, between Bond and Nevins streets.	Brooklyn.	Cranford Company.	"	" 1	10.33	89.67	4.08	11.09	25.20	25.31	7.13	8.54	6.09	11.44
P-60	Fifty-fifth street, between Eighth and Ninth avenues.	Manhattan.	Sicilian Asphalt Paving Company.	"	" 3	10.07	89.93	.....	5.40	17.16	31.32	12.91	12.53	5.51	15.97
P-61	Sackett street, between Hoyt and Bond streets.	Brooklyn.	Eastern Bermudes Asphalt Paving Company.	"	" 3	10.01	89.99	.....	.....	.....	.....	.....	.....	.....	.....
P-62	Sackett street, between Hoyt and Bond streets.	"	Eastern Bermudes Asphalt Paving Company.	"	" 3	10.00	90.00	.....	3.38	14.04	21.71	8.81	15.70	18.00	17.05
P-63	Seventy-ninth street, between Amsterdam and Columbus avenues.	Manhattan.	Hastings Pavement Company.	Asphalt block.	" 8	5.11	94.89	42.58	11.27	7.75	4.30	2.29	4.20	8.82	18.79
P-64	Seventy-ninth street, between Amsterdam and Columbus avenues.	"	"	"	" 8	5.88	94.12	40.78	12.19	8.02	4.41	0.13	4.12	8.99	20.36
P-65	Dean street, between Carlton and Sixth avenue.	Brooklyn.	Cranford Company.	Wearing surface.	" 9	9.34	90.66	.....	.....	.....	.....	.....	.....	.....	.....
P-66	Dean street, between Carlton and Vanderbilt avenues.	"	"	"	" 9	9.47	90.53	.....	.....	.....	.....	.....	.....	.....	.....
P-67	Dean street, between Sixth and Carlton avenues.	"	"	"	" 9	9.49	90.51	4.47	11.39	25.36	25.53	7.07	8.29	6.15	11.81
P-68	Sixth avenue, between West Fourth street and Washington place.	Manhattan.	Standard Asphalt Company.	"	" 10	9.78	90.22	.....	.....	.....	.....	.....	.....	.....	.....
P-69	Dean street, between Vanderbilt and Underhill avenues.	Brooklyn.	Cranford Company.	"	" 10	9.42	90.58	.....	.....	.....	.....	.....	.....	.....	.....
P-70	Dean street, between Carlton and Vanderbilt avenues.	"	"	"	" 10	9.45	90.55	.....	.....	.....	.....	.....	.....	.....	.....
P-71	Soydam street, between Myrtle and Central avenues.	"	Eastern Bermudes Asphalt Paving Company.	"	" 17	9.56	90.44	.....	2.11	13.96	24.90	9.07	15.54	18.25	17.57
P-72	Summit street, between Columbia and Hicks streets.	"	Brooklyn Alcatraz Asphalt Company.	"	" 11	10.07	89.93	1.39	11.17	20.44	21.27	8.31	11.37	10.90	12.05
P-73	Sixth avenue, between Eleventh and Twelfth streets.	Manhattan.	Standard Asphalt Company.	"	" 20	9.93	90.07	.....	.....	.....	.....	.....	.....	.....	.....
P-74	Twelfth street, between Fifth avenue and University place.	"	Uvalde Asphalt Paving Company.	"	" 20	9.14	90.86	1.63	15.28	27.76	24.16	5.99	6.31	4.11	14.82

Sample No.	LOCATION OF CONTRACT.	BOROUGH.	CONTRACTOR.	DESCRIPTION OF SAMPLE.	Date Received.	Per Cent. of Matter Soluble in CS ₂ .	Per Cent. of Insoluble Matter.	PERCENTAGES OF INSOLUBLE MATTER RETAINED BY SIEVES. (MEASURES PER LINEAR INCH.)							
								10-Mesh.	20-Mesh.	30-Mesh.	40-Mesh.	50-Mesh.	60-Mesh.	70-Mesh.	80-Mesh.
P-178	Dean street, between Vanderbilt and Underhill avenues.	Brooklyn	Cranford Company	Wearing surface	Aug. 21	9.80	90.20	...	...	...	...	...	...	...	...
P-179	Dean street, between Vanderbilt and Underhill avenues.	"	"	"	"	9.53	90.47	5.17	11.30	26.33	28.01	8.13	7.79	3.43	9.85
P-181	Dean street, between Vanderbilt and Underhill avenues.	"	"	"	"	9.80	90.20	...	...	...	...	...	...	...	...
P-182	Fifty-fifth street, between Sixth and Seventh avenues.	Manhattan	Sicilian Asphalt Paving Company	"	"	9.37	90.63	...	5.16	16.09	30.90	13.78	11.44	5.22	17.94
P-183	Sixth avenue, between Twelfth and Thirteenth streets.	"	Standard Asphalt Company	"	"	10.08	89.92	...	...	...	...	...	...	...	...
P-185	Dean street, between Grand and Classon avenues	Brooklyn	Cranford Company	"	"	9.51	90.49	...	...	...	...	...	...	...	...
P-186	Dean street, between Grand and Classon avenues	"	"	"	"	9.48	90.52	4.43	11.91	25.97	28.31	7.51	6.16	3.33	11.23
P-187	Dean street, between Grand and Classon avenues	"	"	"	"	9.07	90.93	...	...	...	...	...	...	...	...
P-188	Sixth avenue, between Seventh and Eighth avenues.	Manhattan	Standard Asphalt Company	"	"	10.06	89.94	...	9.47	9.57	18.76	8.55	19.37	23.91	16.89
P-189	Sixth avenue, between Third and Fourth streets.	"	"	"	"	10.35	89.65	...	1.31	9.87	21.72	8.54	19.02	25.96	16.86
P-190	West One Hundred and Thirty-fourth street, between Seventh and Eighth avenues.	"	Barber Asphalt Paving Company	"	"	10.11	89.89	...	2.00	7.38	23.01	12.16	19.89	18.07	17.86
P-191	Pacific street, between Nostrand and New York avenues.	Brooklyn	Cranford Company	"	"	9.48	90.52	...	...	...	...	...	...	...	...
P-192	Dean street, between Classon and Franklin avenues.	"	"	"	"	9.44	90.56	3.58	11.10	26.52	27.86	7.13	9.10	4.37	10.34
P-194	Pacific street, between New York and Brooklyn avenues.	"	"	"	"	9.51	90.49	...	...	...	...	...	...	...	...
P-195	Pacific street, between New York and Brooklyn avenues.	"	"	"	"	9.46	90.54	...	...	...	...	...	...	...	...
P-197	Twelfth street, between Fifth avenue and University place.	Manhattan	Uvalde Asphalt Paving Company	"	Sept. 4	10.00	90.00	2.34	15.71	28.26	25.76	7.14	7.05	4.49	12.75
P-198	Twelfth street, between University place and Broadway	"	"	"	"	9.04	90.96	...	...	...	...	...	...	...	...
P-199	Twelfth street, between University place and Broadway	"	"	"	"	9.68	90.32	1.21	13.94	27.10	25.98	8.11	7.92	4.35	12.90
P-200	Broadway, between Twenty-fifth street and Twenty-sixth street.	"	National Asphalt Company	"	"	9.31	90.69	...	...	...	...	...	...	...	...
P-201	One Hundred and Twenty-sixth street, between Madison and Fifth avenues.	"	Barber Asphalt Paving Company	"	"	10.30	89.70	...	...	...	...	...	...	...	...
P-202	Broadway, between Twenty-sixth and Twenty-seventh streets.	"	National Asphalt Company	"	"	9.31	90.69	...	3.23	12.30	20.78	8.31	17.60	16.77	10.79
P-203	Broadway, between Twenty-seventh and Twenty-eighth streets.	"	"	"	"	9.73	90.27	...	...	...	...	...	...	...	...
P-204	Broadway, between Twenty-seventh and Twenty-eighth streets.	"	"	"	"	9.72	90.28	0.09	4.41	13.89	21.17	7.74	17.69	16.23	19.43
P-205	Twenty-third street, between Fifth and Sixth avenues.	"	Standard Asphalt Company	"	"	10.45	89.55	0.13	2.38	19.57	20.51	8.46	19.13	18.37	18.44
P-207	One Hundred and Seventieth street, between Webster and Franklin avenues.	Bronx	Barber Asphalt Paving Company	"	"	10.15	89.85	0.14	5.43	18.44	24.09	7.62	13.16	19.32	19.11
P-208	St. Ann's avenue, between One Hundred and Thirty-eighth and One Hundred and Forty-fourth streets.	"	Asphalt Construction Company	"	"	9.69	90.31	...	8.59	24.46	26.21	9.45	12.54	9.25	10.90
P-209	Brook avenue, between One Hundred and Sixty-fourth and One Hundred and Sixty-fifth streets.	"	Barber Asphalt Paving Company	"	"	10.13	89.87	...	4.86	16.10	20.65	8.79	15.75	13.08	17.85
P-211	Brook avenue, between One Hundred and Sixty-fourth and One Hundred and Sixty-fifth streets.	"	"	"	"	9.50	90.50	0.16	3.49	10.59	18.00	7.63	11.60	10.55	18.00
P-214	Brook avenue, between One Hundred and Sixty-fourth and One Hundred and Sixty-fifth streets.	"	"	"	"	9.64	90.36	0.07	3.58	13.28	19.66	8.97	17.08	15.21	22.85
P-215	Brook avenue, between One Hundred and Sixty-fourth and One Hundred and Sixty-fifth streets.	"	"	"	"	9.24	90.76	0.20	4.33	12.90	21.54	8.38	17.38	15.76	19.01
P-217	Beaver street, between Broad and William streets.	Manhattan	"	"	"	10.18	89.82	...	8.91	14.95	25.27	7.82	10.95	10.53	16.22
P-242	Seventieth street, between Boulevard and West End avenue.	"	Atlantic Alcatraz Asphalt Paving Company	"	"	9.53	90.47	...	...	...	...	...	...	...	...
P-243	Macon street, between Tompkins and Throop avenues.	Brooklyn	Cranford Company	"	"	9.85	90.15	...	...	...	...	...	...	...	...
P-245	St. Ann's avenue, between One Hundred and Forty-second and One Hundred and Forty-third streets.	Bronx	Asphalt Construction Company	"	"	9.75	90.25	...	8.91	23.93	20.74	9.52	12.61	9.33	12.96
P-247	One Hundred and Seventieth street, between Third and Fulton avenues.	"	Barber Asphalt Paving Company	"	"	9.82	90.18	...	...	...	...	...	...	...	...
P-249	One Hundred and Seventieth street, between Third and Fulton avenues.	"	"	"	"	9.24	90.76	...	...	...	...	...	...	...	...
P-250	Fifty-fifth street, between First and Second avenues.	Brooklyn	Brooklyn Alcatraz Asphalt Company	"	"	10.24	89.76	1.37	13.48	19.54	23.30	8.99	11.32	10.14	13.59
P-251	Broadway, between Twenty-second and Twenty-third streets.	Manhattan	National Asphalt Company	"	"	9.63	90.37	...	...	...	...	...	...	...	...
P-252	Twenty-third street, between Fifth and Sixth avenues.	"	Standard Asphalt Company	"	"	10.23	89.77	...	...	...	...	...	...	...	...
P-253	Twenty-eighth street, between Eighth and Ninth avenues.	"	Atlantic Alcatraz Asphalt Paving Company	"	"	10.09	89.91	...	2.16	15.42	20.87	8.83	17.20	14.07	15.36
P-254	Eighty street, between Fifth avenue and University place.	"	Uvalde Asphalt Paving Company	"	"	10.25	89.75	...	...	...	...	...	...	...	...
P-255	Broadway, between Twentieth and Twenty-first streets.	"	National Asphalt Company	"	"	9.85	90.15	...	5.85	14.64	24.13	8.60	10.71	14.60	17.38
P-277	St. Mark's avenue, between Rochester and Buffalo avenues.	Brooklyn	Cranford Company	"	"	9.79	90.21	...	...	...	...	...	...	...	...
P-278	St. Mark's avenue, between Rochester and Buffalo avenues.	"	"	"	"	9.80	90.20	...	...	...	...	...	...	...	...
P-287	St. Mark's avenue, between Buffalo and Ralph avenues.	"	"	"	"	9.20	90.80	...	...	...	...	...	...	...	...
P-290	Eighty-fourth street, between Boulevard and West End avenue.	Manhattan	Warren-Scharf Asphalt Paving Company	"	"	10.07	89.93	...	2.10	18.45	20.37	9.93	19.06	17.72	19.24
P-297	One Hundred and Twenty-fifth street, between Seventh and Eighth avenues.	"	Asphalt Construction Company	"	Oct. 2	10.39	89.61	...	3.04	21.57	31.20	9.70	12.18	9.39	12.35
P-318	One Hundred and Twenty-fifth street, between Seventh and Eighth avenues.	"	"	"	"	10.30	89.70	...	9.98	20.75	31.44	9.90	12.01	9.97	12.71
P-319	Beaver street, between Broad and William streets.	"	Barber Asphalt Paving Company	"	"	9.74	90.26	...	3.12	14.50	24.93	8.01	16.11	16.43	16.93
P-327	One Hundred and Twenty-fifth street, between Seventh and Eighth avenues.	"	Asphalt Construction Company	"	"	10.12	89.88	...	...	...	...	...	...	...	...
P-334	Kemp street, between Broadway and Division avenue.	Brooklyn	Cranford Company	"	"	9.51	90.49	4.33	11.37	25.44	25.71	7.29	8.10	6.04	11.54
P-344	Water street, between Wall and Pine streets.	Manhattan	Fruin-Bambrick Asphalt Paving Company	"	"	11.07	88.93	...	3.15	14.69	21.01	8.42	17.27	16.29	17.21
P-353	Water street, between Wall and Pine streets.	"	Fruin-Bambrick Asphalt Paving Company	"	"	10.75	89.25	...	2.74	14.71	22.65	8.03	17.77	16.76	17.34
P-355	Greene avenue, between Washington avenue and St. James place.	Brooklyn	National Asphalt Company	"	"	9.40	90.60	...	...	...	...	...	...	...	...
P-358	Pearl street, between Broad and Whitehall streets.	Manhattan	Warren-Scharf Asphalt Paving Company	"	"	10.75	89.25	...	2.31	12.19	20.22	9.00	19.33	17.80	19.14
P-360	One Hundred and Sixty-sixth street, between Third and Washington avenues.	The Bronx	Warren-Scharf Asphalt Paving Company	"	"	10.34	89.66	...	8.03	19.97	20.83	8.87	18.79	17.00	20.21
P-365	Sixth avenue, between Thirty-second and Thirty-third streets.	Manhattan	Atlantic Alcatraz Asphalt Paving Company	"	"	9.90	90.10	...	2.30	15.09	27.02	8.68	17.14	14.41	15.36
P-368	Greene avenue, between Washington avenue and St. James place.	Brooklyn	National Asphalt Company	"	"	10.23	89.77	...	...	...	...	...	...	...	...
P-370	One Hundred and Sixty-sixth street, between Third and Washington avenues.	The Bronx	Warren-Scharf Asphalt Paving Company	"	"	10.16	89.84	...	...	...	...	...	...	...	...
P-372	One Hundred and Sixty-fifth street, between Union and Tinton avenues.	"	Barber Asphalt Paving Company	"	"	9.05	90.95	0.08	3.31	12.77	19.52	8.55	18.07	16.93	21.87
P-373	One Hundred and Sixty-sixth street, between Washington and Park avenues.	"	Warren-Scharf Asphalt Paving Company	"	"	10.20	89.80	...	...	...	...	...	...	...	...
P-376	Vernon avenue, between Flatbush and Rogers avenues.	Brooklyn	Cranford Company	"	"	9.88	90.12	...	...	...	...	...	...	...	...
P-388	One Hundred and Sixty-fifth street, between Union and Tinton avenues.	The Bronx	Barber Asphalt Paving Company	"	"	9.33	90.67	0.14	3.98	11.17	17.22	7.93	12.42	20.87	18.16
P-389	One Hundred and Sixty-fifth street, between Union and Tinton avenues.	"	"	"	"	9.73	90.27	...	...	...	...	...	...	...	...
P-391	Vernon avenue, between Flatbush and Rogers avenues.	Brooklyn	Cranford Company	"	"	9.83	90.17	...	...	...	...	...	...	...	...
P-392	Greene avenue, between Grand and Classon avenues.	"	National Asphalt Company	"	"	9.75	90.25	...	...	...	...	...	...	...	...
P-393	Ninety-sixth street, between Lexington and Third avenues.	Manhattan	Hastings Pavement Company	"	"	5.60	94.40	49.93	11.06	8.00	4.45	2.30	4.38	8.61	10.02
P-397	One Hundred and Sixty-fifth street, between Union and Tinton avenues.	The Bronx	Barber Asphalt Paving Company	"	"	9.59	90.41	...	...	...	...	...	...	...	...
P-399	One Hundred and Sixty-fifth street, between Forest and Jackson avenues.	"	"	"	"	10.05	89.95	...	...	...	...	...	...	...	...
P-400	One Hundred and Sixty-fifth street, between Jackson and Trinity avenues.	"	"	"	"	9.88	90.12	...	...	...	...	...	...	...	...
P-402	One Hundred and Sixty-fifth street, between Union avenue and Boston road.	"	"	"	"	9.84	90.16	...	...	...	...	...	...	...	...
P-407	One Hundred and Sixty-second street, between Melrose and Courtlandt avenues.	"	"	"	"	10.90	89.10	...	3.38	12.07	20.36	9.15	19.52	12.21	17.94

Sample No.	LOCATION OF CONTRACT.	BOROUGH.	CONTRACTOR.	DESCRIPTION OF SAMPLE.	Date Received.	Per Cent. of Matter Soluble in CS ₂ .	Per Cent. of Insoluble Matter.	PERCENTAGES OF INSOLUBLE MATTER RETAINED BY SIEVES, (MEASURES PER LINEAR INCH.)							
								10-Mesh.	20-Mesh.	40-Mesh.	60-Mesh.	80-Mesh.	100-Mesh.	200-Mesh.	Passing 200-Mesh.
P-409	Mott avenue, between One Hundred and Thirty-eighth street and Cheever place.	The Bronx	Warren-Scharf Asphalt Paving Company	Wearing surface.	Oct. 26	9.25	90.74	...	...	...	...	...	...	...	...
P-410	Mott avenue, between One Hundred and Thirty-eighth street and Cheever place.	"	Warren-Scharf Asphalt Paving Company	"	" 29	11.04	88.96	...	...	...	...	...	...	...	...
P-411	Mott avenue, between Cheever and Ridge places.	"	Warren-Scharf Asphalt Paving Company	"	" 29	10.69	89.31	...	...	...	...	...	...	...	...
P-412	Vernon avenue, between Flatbush and Rogers avenues.	Brooklyn	Cranford Company	"	" 29	9.64	90.36	...	...	...	...	...	...	...	...
P-413	Willoughby avenue, between Sumner and Lewis avenues.	"	Eastern Bermudez Asphalt Paving Company	"	" 29	9.40	90.60	...	3.09	13.53	23.44	9.07	16.86	18.03	16.67
P-414	Vernon avenue, intersection with Bedford avenue.	"	Cranford Company	"	" 31	9.87	90.13	...	...	...	...	...	...	...	...
P-415	Regent place, intersection with East Twenty-first street.	"	"	"	" 31	9.44	90.56	...	...	...	...	...	...	...	...
P-416	McDonough street, between Stuyvesant and Reid avenues.	"	"	"	" 31	10.10	89.90	...	...	...	...	...	...	...	...
P-417	Cedar street, between Trinity place and Broadway.	Manhattan	Hastings Pavement Company	"	Nov. 2	5.84	94.16	40.83	11.57	7.91	4.23	2.43	4.31	8.85	30.08
P-418	Kent street, between Church street and Broadway.	"	"	"	" 2	5.91	94.09	...	...	...	...	...	...	...	...
P-419	McDonough street, between Stuyvesant and Reid avenues.	Brooklyn	Cranford Company	"	" 3	9.85	90.15	...	...	...	...	...	...	...	...
P-420	Mott avenue, intersection with Cheever place.	The Bronx	Warren-Scharf Asphalt Paving Company	"	" 3	10.74	89.26	...	...	...	...	...	...	...	...
P-421	Mott avenue, between East One Hundred and Forty-fourth and East One Hundred and Forty-sixth streets.	"	Warren-Scharf Asphalt Paving Company	"	" 3	10.42	89.58	...	...	...	...	...	...	...	...
P-422	Mott avenue, between East One Hundred and Fifty-ninth and East One Hundred and Sixty-first streets.	"	Warren-Scharf Asphalt Paving Company	"	" 3	10.20	89.80	0.49	4.04	15.71	17.01	9.25	18.47	18.11	16.98
P-423	West Thirtieth street, between Fifth and Sixth avenues.	Manhattan	Warren-Scharf Asphalt Paving Company	"	" 3	10.69	89.31	...	...	...	...	...	...	...	...
P-424	Pacific street, between Kingston and Albany avenues.	Brooklyn	Cranford Company	"	" 8	9.18	90.82	...	...	...	...	...	...	...	...
P-425	Pacific street, between Kingston and Albany avenues.	"	"	"	" 8	10.06	89.94	5.93	11.10	25.57	27.14	7.23	7.54	1.08	18.67
P-426	One Hundred and Sixty-second street, intersection with Melrose avenue.	The Bronx	Barber Asphalt Paving Company	"	" 8	9.17	90.83	...	...	...	...	...	...	...	...
P-427	One Hundred and Sixty-second street, between Third and Brook avenues.	"	"	"	" 8	9.48	90.52	...	...	...	...	...	...	...	...
P-428	One Hundred and Forty-seventh street, between Bergen and Brook avenues.	"	"	"	" 9	9.89	90.11	...	...	...	...	...	...	...	...
P-429	One Hundred and Forty-seventh street, between Brook and St. Ann's avenues.	"	"	"	" 9	9.39	90.61	...	...	...	...	...	...	...	...
P-430	Riverside Drive Viaduct.	Manhattan	Atlantic Alcatraz Asphalt Paving Company	"	" 10	10.69	89.31	...	4.79	16.69	28.91	8.44	20.33	17.90	18.64
P-431	One Hundred and Twenty-fifth street, between Seventh and Lenox avenues.	"	Asphalt Construction Company	"	" 10	10.25	89.75	...	...	...	...	...	...	...	...
P-432	Broadway, between Fortieth and Forty-first streets.	"	National Asphalt Company	"	" 12	10.40	89.60	...	...	...	...	...	...	...	...
P-433	Twenty-seventh street, between Madison and Fifth avenues.	"	Atlantic Alcatraz Asphalt Paving Company	"	" 13	11.00	89.00	...	...	...	...	...	...	...	...
P-434	Sixty-sixth street, between Columbus avenue and Central Park, West.	"	Hastings Pavement Company	"	" 13	5.93	94.07	42.05	11.34	8.21	4.07	9.47	4.18	5.38	19.90
P-435	Ninety-seventh street, between Amsterdam avenue and Central Park, West.	"	Sicilian Asphalt Paving Company	"	" 14	9.13	90.87	...	...	...	...	...	...	...	...
P-436	Broadway, between Thirty-sixth and Thirty-seventh streets.	"	National Asphalt Company	"	" 15	10.37	89.63	...	...	...	...	...	...	...	...
P-437	Thirty-seventh street, between Broadway and Seventh avenues.	"	Standard Asphalt Company	"	" 15	9.83	90.17	...	...	...	...	...	...	...	...
P-438	Thirty-seventh street, between Broadway and Seventh avenues.	"	"	"	" 15	9.65	90.35	0.07	3.27	15.38	19.94	8.23	19.32	18.12	19.78
P-439	One Hundred and Forty-seventh street, between Third and Bergen avenues.	The Bronx	Barber Asphalt Paving Company	"	" 19	9.40	90.60	...	...	...	...	...	...	...	...
P-440	One Hundred and Forty-seventh street, between Bergen and Brook avenues.	"	"	"	" 19	9.14	90.86	...	...	...	...	...	...	...	...
P-441	One Hundred and Forty-seventh street, between Bergen and Brook avenues.	"	"	"	" 19	9.32	90.68	...	...	...	...	...	...	...	...
P-442	St. Ann's avenue, between One Hundred and Forty-seventh and One Hundred and Forty-eighth streets.	"	"	"	" 19	9.61	90.39	...	...	...	...	...	...	...	...
P-443	St. Ann's avenue, intersection with One Hundred and Forty-eighth street.	"	"	"	" 19	9.47	90.53	...	3.53	18.78	29.09	8.31	18.01	15.18	18.70
P-444	Brook avenue, intersection with One Hundred and Forty-third street.	"	"	"	" 19	9.79	90.21	...	...	...	...	...	...	...	...
P-445	Mott avenue, intersection with One Hundred and Forty-sixth street.	"	Warren-Scharf Asphalt Paving Company	"	" 19	10.45	89.55	...	9.03	11.75	19.08	10.12	19.73	18.92	19.07
P-446	Mott avenue, intersection with One Hundred and Sixty-first street.	"	Warren-Scharf Asphalt Paving Company	"	" 19	10.69	89.31	...	...	...	...	...	...	...	...
P-447	Broadway, between Fortieth and Forty-first streets.	Manhattan	National Asphalt Company	"	" 19	10.76	89.24	...	...	...	...	...	...	...	...
P-448	Greene avenue, between Patchen avenue and Broadway.	Brooklyn	Eastern Bermudez Asphalt Paving Company	"	" 20	10.21	89.79	...	3.23	12.23	22.67	9.09	16.12	18.12	19.37
P-449	East avenue.	Queens	Warren-Scharf Asphalt Paving Company	"	" 23	10.57	89.43	...	...	...	...	...	...	...	...
P-450	Mott avenue, intersection with One Hundred and Sixtieth street.	The Bronx	Warren-Scharf Asphalt Paving Company	"	" 26	9.50	90.50	...	9.17	12.03	20.56	9.15	19.07	18.16	18.86
P-451	Mott avenue, intersection with One Hundred and Fifty-third street.	"	Warren-Scharf Asphalt Paving Company	"	" 26	9.93	90.07	...	...	...	...	...	...	...	...
P-452	Mott avenue, intersection with One Hundred and Fifty-fifth street.	"	Warren-Scharf Asphalt Paving Company	"	" 26	9.98	90.02	...	...	...	...	...	...	...	...
P-453	Mott avenue, intersection with One Hundred and Fifty-eighth street.	"	Warren-Scharf Asphalt Paving Company	"	" 26	9.48	90.52	...	...	...	...	...	...	...	...
P-454	Brook avenue, between One Hundred and Forty-third and One Hundred and Forty-fourth streets.	"	Barber Asphalt Paving Company	"	" 26	9.85	90.15	...	3.28	18.17	20.52	8.12	18.37	16.03	21.11
P-455	East avenue.	Queens	Warren-Scharf Asphalt Paving Company	"	" 26	10.32	89.68	...	...	...	...	...	...	...	...
P-456	One Hundred and Sixtieth street, between Amsterdam and Morningside avenues.	Manhattan	Hastings Pavement Company	"	" 27	5.34	94.66	...	...	...	...	...	...	...	...
P-457	Watkins street and Pitkin avenue.	Brooklyn	Cranford Company	"	" 27	9.60	90.40	...	...	...	...	...	...	...	...
P-458	Watkins street, 30 feet north of Pitkin avenue.	"	"	"	" 27	9.87	90.13	...	...	...	...	...	...	...	...
P-459	Carroll street, between Third avenue and Gowanus Canal.	"	"	"	" 27	9.45	90.55	1.07	10.89	19.01	23.52	8.08	11.37	10.09	12.92
P-460	Eighty-third street, between Park and Madison avenues.	Manhattan	Warren-Scharf Asphalt Paving Company	"	" 30	9.66	90.34	...	...	...	...	...	...	...	...
P-461	Thirty-sixth street, between Park and Lexington avenues.	"	T. Hugh Boorman	"	Dec. 1	8.55	91.45	...	...	...	...	...	...	...	...
P-462	Eighty-fourth street, corner of East End avenue.	"	Asphalt Construction Company	"	" 3	10.42	89.58	...	3.32	20.89	12.05	9.43	12.27	9.37	12.73
P-463	One Hundred and Thirty-seventh street, between Willis avenue and Brown place.	Bronx	Barber Asphalt Paving Company	"	" 5	9.30	90.70	...	...	...	...	...	...	...	...
P-464	One Hundred and Thirty-seventh street, between Willis avenue and Brown place.	"	"	"	" 5	9.48	90.52	...	...	...	...	...	...	...	...
P-465	Thirty-first street, between Lexington and Third avenues.	Manhattan	T. Hugh Boorman	"	" 8	9.95	90.05	...	...	...	...	...	...	...	...
P-466	Sixty-fifth street, between Columbus avenue and Central Park, West.	"	Sicilian Asphalt Paving Company	"	" 11	9.70	90.30	...	4.22	17.03	20.90	12.80	11.03	5.21	18.47
P-467	One Hundred and Thirty-seventh street, between Alexander avenue and Brown place.	Bronx	Barber Asphalt Paving Company	"	" 13	9.91	90.09	...	...	...	...	...	...	...	...
P-468	Decatur street, between Tompkins and Throop avenues.	Brooklyn	Eastern Bermudez Asphalt Paving Company	"	" 15	10.68	89.32	...	3.73	11.91	22.88	9.05	16.35	18.19	18.85
P-469	Carroll street, between Fourth and Fifth avenues.	"	Brooklyn Alcatraz Asphalt Company	"	" 15	10.16	89.84	...	...	...	...	...	...	...	...
P-470	Market street, between Stuyvesant and Reid avenues.	"	Eastern Bermudez Asphalt Paving Company	"	" 15	9.35	90.65	...	...	...	...	...	...	...	...
P-471	Cauldwell avenue, between One Hundred and Sixty-first and One Hundred and Sixty-third streets.	Bronx	Atlantic Alcatraz Asphalt Paving Company	"	" 15	9.65	90.35	...	8.36	15.37	26.63	8.31	18.09	14.80	14.91
P-472	Cauldwell avenue, between One Hundred and Sixty-third and One Hundred and Sixty-fourth streets.	"	Atlantic Alcatraz Asphalt Paving Company	"	" 15	9.52	90.48	...	...	...	...	...	...	...	...
P-473	Cauldwell avenue, between One Hundred and Sixty-third and One Hundred and Sixty-fourth streets.	"	Atlantic Alcatraz Asphalt Paving Company	"	" 15	9.05	90.95	...	...	...	...	...	...	...	...
P-474	Lafayette avenue, intersection with Clinton avenue.	Brooklyn	Cranford Company	"	" 17	9.17	90.83	...	...	...	...	...	...	...	...
P-475	Willoughby avenue, between Lewis and Stuyvesant avenues.	"	Eastern Bermudez Asphalt Paving Company	"	" 17	10.16	89.84	...	...	...	...	...	...	...	...
P-476	Lafayette avenue, between Vanderbilt and Clinton avenues.	"	Cranford Company	"	" 17	9.58	90.42	...	...	...	...	...	...	...	...
P-477	Watkins street, opposite No. 279.	"	"	"	" 17	9.79	90.21	3.37	11.08	26.97	27.15	7.32	6.96	4.21	12.94
P-478	Macon street, between Arlington place and Nostrand avenue.	"	"	"	" 17	9.84	90.16	...	...	...	...	...	...	...	...
P-479	One Hundred and Thirty-fourth street, between Park and Madison avenues.	Manhattan	Asphalt Construction Company	"	" 20	10.86	89.14	...	...	...	...	...	...	...	...
P-480	Cauldwell avenue, between Sutton place and Boston road.	Bronx	Atlantic Alcatraz Asphalt Paving Company	"	" 20	9.87	90.13	...	8.32	15.32	27.18	8.24	17.37	14.11	15.61
P-481	Twentieth street, between Sixth and Seventh avenues.	Manhattan	Sicilian Asphalt Paving Company	"	" 26	9.39	90.61	...	4.88	10.69	31.05	12.92	11.47	5.43	16.96

TABLE VIII.

LOCATION.	SQUARE YARDS.	LINEAR FEET.
REPAVING STREETS AND AVENUES.		
<i>Sheet Asphalt.</i>		
Aslor place, from Broadway to Fourth avenue.....	7,527.50	541.40
Eighth street, from Broadway to Fourth avenue.....	2,464.90	187.10
Sixty-fifth street, from Third to Lexington avenue.....	3,499.80	440.80
Fifty-seventh street, from Third to Lexington avenue.....	1,977.70	480.30
One Hundred and Twenty-ninth street, from Lenox to Seventh avenue.....	9,388.40	509.70
Eighty-fourth street, from Second to East End avenue.....	6,392.15	2,989.40
Twenty-eighth street, from First to Fifth avenue.....	9,992.27	3,139.00
Eighty-third street, from Madison to Park avenue.....	1,375.41	411.80
Beaver street, from Broad to New street.....	945.95	264.70
Eighty-eighth street, from West End avenue to Riverside drive.....	9,455.69	738.10
Vanderbilt avenue, from Forty-fourth to Forty-fifth street.....	989.20	261.18
Forty-fourth street, from Vanderbilt to Madison avenue.....	597.75	216.66
Forty-fifth street, from Vanderbilt to Madison avenue.....	720.83	216.25
De Peyster street, from Water to South street.....	544.09	421.30
Eighty-fourth street, from Boulevard to West End avenue.....	1,099.85	308.44
Pine street, from William to South street.....	1,780.79	1,126.32
Water street, from Wall street to Maiden lane.....	1,969.09	472.02
Eighteenth street, from Broadway to Fifth avenue.....	1,806.45	455.54
King street, from Macdonald to Varick street.....	2,988.79	782.13
Abington square, between Eighth avenue, Hudson and Bank streets.....	1,412.40	198.70
Intersection of Columbus avenue and Seventy-second street.....	753.93	101.77
Total.....	42,708.94	13,844.36
Length in miles, 2.614.		

LOCATION.	SQUARE YARDS.	LINEAL FEET.
<i>Black Asphalt.</i>		
Eighty-first street, from Columbus to Amsterdam avenue.....	9,757.20	830.10
Seventy-ninth street, from West End avenue to Riverside drive.....	1,706.81	524.30
Seventy-ninth street, from Columbus to Amsterdam avenue.....	3,694.18	831.00
Fortieth street, from Park to Lexington avenue.....	1,418.50	438.50
One Hundred and Forty-sixth street, from Convent to St. Nicholas avenue.....	1,151.05	402.50
Fifty-seventh street, from Sixth to Seventh avenue.....	3,668.13	809.00
Fiftieth street, from Seventh to Eighth avenue.....	2,417.50	730.80
Total.....	17,916.58	4,580.30
Length in miles, .60.		
<i>Granite.</i>		
Fifty-first street, from Eleventh to Twelfth avenue.....	2,724.54	830.03
Length in miles, .15.		
REPAVING, CHAPTER 37, LAWS OF 1897.		
<i>Sheet Asphalt.</i>		
Forty-ninth street, from Ninth to Tenth avenue.....	2,732.30	830.20
Length in miles, .16.		
STREET IMPROVEMENT FUND.		
<i>Sheet Asphalt.</i>		
One Hundred and Eighth street, from Central Park, West, to Columbus avenue.....	2,343.63	776.40
Length in miles, .14.		
<i>Asphalt Blocks.</i>		
One Hundred and Forty-eighth street, from Eighth to Bradhurst avenue.....	809.30	842.80
One Hundred and Fifty-fourth street, from Eighth to Bradhurst avenue.....	1,082.14	308.95
One Hundred and Twenty-fourth street, from Amsterdam avenue to Boulevard.....	8,701.00	810.00
One Hundred and Eighty-first street, from Eleventh avenue to Kingsbridge road.....	2,822.55	365.00
One Hundred and Fifty-third street, from Eighth avenue to Macomb's Dam road.....	1,307.60	410.85
One Hundred and Forty-first street, from Sixth to Seventh avenue.....	2,705.63	810.00
One Hundred and Twenty-seventh street, from Boulevard to Manhattan street.....	1,258.98	378.00
One Hundred and Thirtieth street, from Seventh to St. Nicholas avenue.....	1,230.34	369.07
One Hundred and Seventh street, from Broadway to Riverside drive.....	1,378.17	412.00
Macomb's Dam road, from Eighth avenue to Central Bridge.....	7,649.22	1,408.00
Total.....	22,937.55	5,713.60
Length in miles, 1.08.		
<i>Granite Blocks.</i>		
One Hundred and Thirty-ninth street, from Hamilton place to Boulevard.....	841.09	257.66
Fourth avenue, east side, intersection of Ninety-seventh street.....	217.64	35.00
One Hundred and Fortieth street, from Hamilton place to Boulevard.....	1,209.25	369.06
Total.....	2,268.98	661.72
Length in miles, .10.		
<i>Macadam.</i>		
Boulevard Lafayette, from Eleventh avenue to Kingsbridge road, extending 30 feet east of west curb.....	49,430.48	14,738.50
Length in miles, 2.77.		
REPAVING, SECTIONS 23 AND 36, CHAPTER 393, LAWS OF 1897.		
<i>Sheet Asphalt.</i>		
One Hundred and Twenty-ninth street, from Fifth to Madison avenue.....	1,302.09	457.30
Twelfth street, from Fourth to Fifth avenue.....	4,189.43	2,265.00
Twelfth street, from Third to Fourth avenue.....	1,793.38	735.00
Seventy-ninth street, from Amsterdam avenue to Boulevard.....	2,908.47	435.00
Fifty-fifth street, from Eighth to Ninth avenue.....	1,765.03	802.00
Fifty-fifth street, from Sixth to Seventh avenue.....	2,750.49	809.00
One Hundred and Twenty-first street, from Third to Pleasant avenue.....	5,442.16	1,963.70
Twenty-first street, from First to Third avenue.....	4,384.86	1,318.40
Thirty-first street, from Lexington to Fourth avenue.....	1,506.24	454.50
One Hundred and Thirty-sixth street, from Seventh to Eighth avenue.....	2,671.67	810.00
One Hundred and Nineteenth street, from First to Pleasant avenue.....	2,143.70	644.50
Ninety-second street, from Park to Fifth avenue.....	2,708.34	876.00
One Hundred and Thirty-fourth street, from Seventh to Eighth avenue.....	2,689.38	799.50
Twenty-eighth street, from Eighth to Ninth avenue.....	2,733.01	820.50
Seventieth street, from Columbus avenue to Hudson river.....	6,812.07	2,004.00
Intersection Seventy-second street and Amsterdam avenue.....	499.00	89.00
Eighty-ninth street, from Second avenue to East river.....	6,611.46	2,092.55
Seventy-fifth street, from Madison to Park avenue.....	1,364.68	473.35
Seventy-fifth street, from Third to Lexington avenue.....	1,502.84	450.85
Fiftieth street, from Second avenue to 26 1/2 feet east of Avenue A.....	5,355.55	1,605.66
Pearl street, from Broad to Whitehall street.....	1,079.77	335.20
Thirtieth street, from Fifth to Sixth avenue.....	3,042.30	955.27
Dutch street, from John to Fulton street.....	508.61	218.10
Stone street, from Broad to Whitehall street.....	1,023.21	400.03
Eightieth street, from First to Lexington avenue.....	5,252.46	1,766.59
Eighteenth street, from Fifth to Sixth avenue.....	3,055.40	921.84
Eleventh street, from Broadway to University place.....	1,064.33	394.25
Sixth avenue, from Twenty-third to Thirty-third street.....	13,669.47	2,756.21
Thirty-third street, from Fourth to Madison avenue.....	1,437.20	431.88
Beaver street, from Hanover to Broad street.....	2,065.88	795.35
One Hundred and Thirty-fourth street, from Seventh to Eighth avenue.....	2,689.38	807.95

LOCATION.	SQUARE YARDS.	LINEAL FEET.
One Hundred and Twenty-ninth street, from Fifth to Madison avenue.....	1,302.09	457.30
Twenty-seventh street, from Madison to Fifth avenue.....	2,449.90	480.00
Twenty-eighth street, from Eighth to Ninth avenue.....	2,733.01	820.50
Twenty-fifth street, from Fourth to Madison avenue.....	1,327.34	456.57
Seventieth street, from Columbus avenue to Hudson river.....	6,812.07	2,000.80
Eighth street, from Broadway to Macdonald street.....	5,206.85	1,634.80
Twenty-third street, from Fifth to Sixth avenue.....	1,765.10	503.85
Sixth avenue, from Carmine to Thirteenth street.....	13,054.91	2,517.00
Thirty-seventh street, from Broadway to Seventh avenue.....	1,592.56	480.77
One Hundred and Twenty-fifth street, from Third to Eighth avenue.....	24,351.66	4,730.23
Total.....	161,933.61	42,762.82
Length in miles, 8 1/4.		
<i>Asphalt Block.</i>		
Morris street, from Broadway to Greenwich street.....	500.57	281.20
Rector street, from Broadway to Trinity place.....	526.38	255.00
Cedar street, from Broadway to Church street.....	571.06	305.00
Ninety-sixth street, from Third to Park avenue.....	3,791.23	872.40
Total.....	7,429.20	1,713.60
Length in miles, .10.		

Respectfully,
JACOB C. WUND, Superintendent.

DOCUMENT "D."

THE CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS,
OFFICE OF SUBSURFACE CONSTRUCTION,
PARK ROW BUILDING, MANHATTAN,
January 7, 1901.

HON. JAMES P. KEATING, Commissioner:

DEAR SIR—I beg to submit my report of the work of this office during the year ending December 31, 1900.

The construction of conduit electric or under-electric street railways has been as follows:

METROPOLITAN STREET RAILWAY COMPANY.

Third Avenue Division—The work of changing the motive power of the Third Avenue Railroad from cable to the under-electric system was suspended January 20, 1900, because of the failure of the company. On May 24, 1900, the Metropolitan Street Railway Company took possession of this railroad under a lease for 999 years. This railroad is now operated as the Third Avenue Division of the Metropolitan Street Railway, and extends from Broadway along Park row, the Bowery and Third Avenue to the Harlem river; and from the Harlem river along One Hundred and Twenty-fifth street and Manhattan street to the Hudson river; and from Manhattan street along Amsterdam avenue to One Hundred and Ninety-fifth street.

As has been stated in my previous report, the area between the rails in each track was paved with "iron-clad" asphalt. This pavement has shown considerable wear and it has been found very expensive to repair. Since the Metropolitan Company has been in control, the "iron-clad" pavement has been removed wherever repairs have been necessary and asphalt, laid in the ordinary manner, has been put in its place. Although the asphalt pavement laid in the ordinary manner in the tracks constructed in accordance with the designs made under the direction of Milton G. Starrett, the Chief Engineer of the Metropolitan Company, has proven perfectly satisfactory, it is not so on Park row, the Bowery and Third Avenue, which is the part of the Third Avenue Division which was only partially rebuilt. The movement of the iron rail up and down on the bearing springs, provided for elasticity so that the cars shall ride easily and smoothly, seems to break the asphalt parallel with the rail and a few inches from it. After it is once broken the wear under vehicular traffic is rapid. It is therefore necessary that a method of laying the pavement which will be satisfactory under these conditions be found as soon as possible. No such trouble has occurred where asphalt pavement is laid next to the rail bearing on timber, probably because there is no movement in the latter case.

The reconstruction on the upper Amsterdam avenue section, extending from Manhattan street to One Hundred and Ninety-fifth street, was commenced June 20, 1899. The track work and repaving between the outer rails were completed north to One Hundred and Eighty-fifth street January 20, 1900, when they were suspended. The work was resumed July 6, 1900, and the track construction and repaving between outer rails were completed July 14, 1900. On account of the laying of temporary horse-car tracks on both sides of this avenue for the continuance of operation, it was necessary that the railway company should relay all of the pavement between the rails and the curbs. This work was completed September 22, 1900. Between the tracks and the curbs the pavement is oblong granite blocks laid in sand from Manhattan street to the north curb line of One Hundred and Fifty-fifth street, and is oblong granite blocks on concrete foundation, with paving tar and gravel joints, from there to One Hundred and Ninety-fifth street. On Amsterdam avenue, between the tracks and the curbs from the north side of One Hundred and Fifty-first street to the north side of One Hundred and Fifty-fifth street, macadam pavement existed previous to the reconstruction of the railway. The railway company was directed to repave this area with oblong granite blocks laid in sand.

All the work on the One Hundred and Twenty-fifth street section was completed November 24, 1900, including the substitution of a new water-main for the old one by the railway company, except the work of regrading the horse-car tracks belonging to the Forty-second Street, Manhattanville and St. Nicholas Avenue Railway Company, and repaving between the slotted tracks and the south curb on Manhattan street, from One Hundred and Twenty-fifth street to Hudson river.

What is known as the duplex slot construction has been installed at the following locations wholly by the Metropolitan Street Railway Company—the latter company, because of that fact, would have owned these tracks had it not leased the Third Avenue Railroad—to wit: First avenue, from Thirty-fourth to Forty-second street; Seventh avenue, from Forty-second to Forty-fifth street; Tenth avenue, from Forty-second to Fifty-ninth street; Forty-second street, from Lexington to Madison avenue; and Broadway, from Sixty-fifth to Seventy-first street. The duplex slot construction was installed by the Third Avenue Railroad Company on Broadway, from Fifty-ninth to Sixty-fifth street.

Broadway Division—Between June 1 and October 1 the line from South Ferry along Whitehall and State streets, Broadway, Union Square, Broadway and Seventh avenue to Fifty-ninth street was reconstructed in order to substitute the under-electric system of motive power for the cable. In order to do this, in addition to the laying of the feeder ducts, which was completed last year, it was necessary to place hand-hole boxes and alter the pulley pits so that they could be used for the electric connections. The company also removed the old tram rail and substituted the New York rail. The pavement between the outer rails south of Fourteenth street and on Seventh avenue north of Forty-seventh street was relaid with new granite blocks with paving tar and gravel joints. The City has paved from curb to curb, from Fourteenth street to Forty-seventh street with asphalt. The company expects to make the change in motive power the coming spring.

Columbus Avenue Division and Lexington Avenue Division—Previous to the reconstruction on the Broadway Division the tracks were reconstructed on these two divisions in a manner similar to the Broadway reconstruction. There are some slight differences between them in details in the track reconstruction, and on these two divisions the old tram rails were not removed. The joints, however, were cast welded. It is contemplated to make the change in motive power simultaneously with that on the Broadway Division.

Thirty-fourth Street Division—From Second avenue along Thirty-fourth street, Tenth avenue and Forty-second street to the Hudson river, the tracks have been reconstructed with the nine-inch New York rail in order that the line might be operated with electric storage battery cars. The part of the line from Park avenue to Eighth avenue is constructed with a concrete beam in accordance with the accompanying drawing.

The nine-inch rails are spiked to long leaf yellow pine ties, 5 inches by 7 inches by 6 feet in size, and the ties are spaced 5 feet apart. Combined tie plates and rail braces are placed on alternate ties. After the track is brought to line and grade the earth is excavated underneath and around each alternate tie (the ones upon which are placed the combined tie plates and rail

braces) and underneath and around the rails, to a uniform depth of 8 inches below the bottom of the rails and to a width of 10 inches under the ties and 15 inches under the rails. The track, after the excavation is completed, rests wholly on the ties which are between those under which the excavation is made, and remains exactly to line and grade. The trenches under the rails and ties are then filled with concrete which forms a firm bearing for them; no wooden forms are used. The concrete for the asphalt pavement is then laid 6 inches thick in the track and outside, and adjacent to the web of the rails. The asphalt pavement is laid without any toothings stones. A special mixture of the asphalt is prepared to be placed under the head and lip of the rail. This mixture will stand much more heat without softening than the ordinary asphalt mixture. This construction is very durable, gives an excellent appearance to the highway, and there has been no trouble nor unusual expense in maintaining the pavement. The roadbed is firm, the cars ride easily and the construction seems to be very satisfactory.

Twenty-eighth and Twenty-ninth Streets Division.—During the year the tracks have been reconstructed for the use of compressed air cars from the Hudson river, along Twenty-fourth street, Eleventh avenue and Twenty-eighth and Twenty-ninth streets to First avenue. This part of the line was reconstructed with the 9-inch New York rail on long leaf yellow pine ties. The concrete beam was built where the asphalt pavement is laid as follows: Twenty-fourth street, from Fourteenth to Eleventh avenue; Eleventh avenue, from Twenty-fourth street to Twenty-seventh street; Twenty-eighth street, from Sixth to Fifth avenue and Twenty-ninth street, from Broadway to Third avenue. The pavement was restored with asphalt without the use of toothings stones. Where the old Belgian-black pavement is adjacent to the track the same kind of pavement was laid in the track, no concrete being used.

Other Metropolitan Lines.—The Metropolitan Street Railway Company leases the line on One Hundred and Thirty-fifth street, from Madison to Eighth avenue, and has the joint use of it with the Union Railway Company. In order to connect the Madison avenue line at its northern end with the Lenox avenue line the tracks on One Hundred and Thirty-fifth street, between Madison and Lenox avenues, were reconstructed for the use of the under electric system of motive power. The poles supporting the overhead trolley wires at this location were not removed as they are necessary to operate the cars of the Union Railway Company. The distance from centre to centre between tracks was changed from 9 feet and 9 inches to 11 feet, in order to allow the proper clearance between passing cars with the trolley poles between tracks.

Soon after the Metropolitan Company took possession of the Third avenue system it obtained permission from this Department to connect the slotted tracks on Amsterdam avenue, south of Manhattan street, with those north of Manhattan street, in order to operate a through, direct, west side line from Washington Heights to the Sixth avenue shopping district and the downtown stores and offices. The special work is only temporary, however, as it was not designed in accordance with the requirements of the Department. The permission to install and maintain such connections is granted under section 78 of the Railroad Law relating to traffic contracts. Cars are now run on this line from Battery place, along Greenwich street, Church street, Fulton and Barclay streets, West Broadway, Third and Fourth streets, Sixth avenue, Fifty-ninth street, Columbus avenue, Broadway and Amsterdam avenue to One Hundred and Ninety-fifth street, as well as by the former Third avenue railroad route.

A connection was made on Avenue A, between Twenty-third and Twenty-fourth streets, from the Dry Dock Division to the Twenty-eighth and Twenty-ninth Streets Division, the old turntable being removed. These tracks are not slotted. A connection was also made between one track of the Dry Dock Division and one track of the Chambers Street Division at the intersection of Grand and Madison streets. The Avenue A line on Houston and First streets, from Cannon street to Avenue A, and on Houston and Second streets, from Goerck street to Avenue A and along Avenue A to Tenth street, was reconstructed with the 9-inch New York rail. Concrete beam was laid on Second street, from Houston street to Avenue A.

When so directed by you on July 10, the Metropolitan Company installed a crossover to the northbound track of the Madison Avenue Line on Park row, near Broadway, so as to avoid the very dangerous practice of sending cars both ways on Park row upon a single track. Only half of the special work near Broadway was laid, however, as the street will have to be torn up for the rapid transit subway construction.

FORTY-SECOND STREET, MANHATTANVILLE AND ST. NICHOLAS AVENUE RAILWAY COMPANY, WILLIAM JAY, RECEIVER.

Nothing has been done on the lower Amsterdam Avenue Section, from Seventy-first street to Manhattan street, since the passage of the bill forbidding the operation of electric cars on four tracks on Amsterdam avenue by the Legislature. This line is operated with horse cars.

The work on the Forty-second street section has been completed from the East river to the Hudson river with the exception of the special work in the intersection of First avenue. The work at First avenue has been very slow on account of the large number of subsurface structures which had to be lowered and moved out of the way, all of the necessary excavation having to be done in solid rock. By reason of its control of this line the Metropolitan Street Railway Company consented to the elimination from the approved location map of the side track on the north side of Forty-second street, between Park and Lexington avenues, in front of the Grand Central Station. It was not built therefore. The one on the south side only at the same location was built.

The special work on the Broadway section has been completed at Forty-fifth street. Between Fifty-eighth and Sixtieth streets in the Grand Circle it has been indefinitely suspended on account of the work on the Rapid Transit subway. The work at Seventy-first street is practically completed but the special work is laid only temporarily, as it was not designed in accordance with the requirements of the Department. At One Hundred and Sixteenth street the construction is temporary, to be removed in place permanent crossover. At One Hundred and Twenty-fourth street and at Manhattan street the special work is suspended on account of the construction of the Rapid Transit subway.

CENTRAL CROSTOWN RAILROAD COMPANY.

A permit was issued to construct a street railway on Christopher and West Tenth streets, from Sixth avenue to the Hudson river, to be operated by the under electric system so that some of the electric cars on the Sixth avenue line may be run directly to the Hoboken ferry. No work has been done on these streets however. It is contemplated to construct this line in the Spring.

MANHATTAN RAILWAY COMPANY.

Permits were issued from this office for the erection of elevating stairways or escalators to the elevated railway stations at Fifty-ninth street and Third avenue on the northwest corner and at Twenty-third street and Sixth avenue on the southeast corner. A permit also was issued to the Manhattan Railway Company to extend the elevated railway in The Bronx along Third avenue, from One Hundred and Seventy-seventh street to Pelham avenue, Fordham.

RECORD MAPS.

Satisfactory progress has been made in completing the maps of this borough and in showing on them the lines of some of the companies owning structures under the highway pavements. The information which will be furnished by these maps is exceedingly valuable in many instances, and in order to record it accurately the maps will have to be completed and kept up from day to day, as new electric cable conduits, gas-mains, steam-mains, or other subsurface lines are laid. In order to do this it will be necessary to employ an additional draughtsman. There are no records in any of the city departments showing the subsurface structures in the highways except for water-mains and main sewers.

Following you will find the usual statements concerning permits. They are with reference to Manhattan Borough only, unless otherwise indicated.

Respectfully,
WISNER B. MARTIN, Engineer.

RAILWAYS.

BOROUGH OF MANHATTAN.

Permits Issued to the Metropolitan Street Railway Company.

No. of Permit.	Date of Issue.	LOCATION.	PURPOSE.
	1900.		
82	Jan. 2	Forty-second street, from Park to Lexington avenue.....	Section under Permit No. 81.
83	" 30	Eighth avenue, intersection of Twenty-eighth street.....	To renew crossing.
84	" 30	Eighth avenue, intersection of Twenty-ninth street.....	"
85	" 30	Fourth avenue, intersection of Twenty-eighth street.....	"
86	" 30	Fourth avenue, intersection of Twenty-ninth street.....	"
87	" 34	Broadway, intersection of Twenty-eighth street.....	"
88	" 34	Broadway, intersection of Twenty-ninth street.....	"
89	" 34	Tenth avenue, intersection of Twenty-eighth street.....	"

No. of Permit.	Date of Issue.	LOCATION.	PURPOSE.
90	1900.		
91	Jan. 24	Tenth avenue, intersection of Twenty-ninth street.....	To renew crossing.
92	" 25	Sixth avenue, intersection of Twenty-ninth street.....	"
93	" 26	Sixth avenue, intersection of Twenty-eighth street.....	"
98	Mar. 8	Eleventh avenue, from Twenty-seventh to Thirtieth street.....	To reconstruct tracks.
99	" 15	Thirty-fourth street, from Second to Park avenue, also from Ninth to Twelfth avenue.....	To renew tracks.
100	" 15	Lexington avenue, from Twenty-third to One Hundred and Fifth street.....	To change motive power to under electric system.
101	" 15	Along all its lines.....	Repair permit for 1900.
102	" 23	Lexington avenue, intersection of Twenty-eighth street.....	To renew crossing.
103	" 23	Lexington avenue, intersection of Twenty-ninth street.....	"
104	" 26	Lexington avenue, from Forty-second to Fifty-ninth street.....	Section under Permit No. 100.
105	Apr. 2	Second avenue, intersection of Twenty-ninth street.....	To renew crossing.
106	" 2	Second avenue, intersection of Twenty-eighth street.....	"
107	" 4	Lexington avenue, from Sixtieth to Eightieth street.....	Section under Permit No. 100.
108	" 9	Ninety-sixth street, from Second to Lexington avenue.....	To lay feeder ducts.
109	" 9	Third avenue, intersection of Twenty-eighth street.....	To renew crossing.
110	" 5	Third avenue, intersection of Twenty-ninth street.....	"
114	" 5	Ninth avenue, from Fifty-third to Fifty-ninth street.....	General permit to change motive power to under electric system.
119	" 17	Lexington avenue, from Twenty-third to One Hundred and Sixth street.....	To weld rail-joints.
121	" 18	Tenth avenue, from Thirty-fourth to Forty-second street.....	To renew tracks.
122	" 19	Fourth avenue, from Thirty-fourth street to 60 feet south.....	To erect a guard-fence.
123	" 20	Lexington avenue, from Eightieth to One Hundred and Sixth street.....	Section under Permit No. 100.
130	" 26	Lexington avenue, from Twenty-third to Forty-second street.....	"
131	" 28	Second avenue, from Second to Third street.....	To lay temporary sidings.
133	" 30	Whitehall street, from South street to Bowling Green; State street, from Whitehall street to Bowling Green; Bowling Green, from Whitehall to State street; Broadway, from Bowling Green to Fourteenth street; Fourteenth street, from Broadway to Union square, West; Union square, West, from Fourteenth to Seventeenth street; Broadway, from Seventeenth to Forty-fifth street; Seventh avenue, from Forty-fifth to Fifty-ninth street.....	General permit to change motive power to under electric system.
136	May 10	Forty-second street, from Tenth avenue to Hudson river.....	To renew tracks.
138	" 16	Lexington avenue, from One Hundred and Sixth to One Hundred and Sixtieth street.....	To lay feeder ducts.
141	" 17	Eighth avenue, intersection of Thirty-fourth street.....	To renew crossing.
142	" 17	Hudson street, from Bank to Jane street.....	To renew tracks.
144	" 21	Rowery, intersection of Prince street.....	To renew crossing.
145	" 21	Chambers street, intersection of Centre street.....	"
146	" 21	Thirty-fourth street, from Second to Park avenue.....	To lay temporary side track.
147	" 21	Thirty-fourth street, intersection of Seventh avenue.....	To renew crossing.
148	" 23	Thirty-third street, intersection of First avenue.....	To renew turnouts.
149	" 23	Twenty-eighth street, from First to Fifth avenue.....	To renew tracks.
150	" 28	Seventh avenue, from Forty-fifth to Fifty-ninth street.....	Section under Permit No. 133.
151	June 5	Thirty-fourth street, from Broadway to Eighth avenue.....	To renew tracks.
153	" 5	Thirty-fourth street, from Eighth avenue to Broadway.....	To lay temporary side track.
156	" 11	Thirty-fourth street, from Park to Sixth avenue.....	To renew tracks.
157	" 13	Thirty-fourth street, from Park to Sixth avenue.....	To lay temporary side track.
158	" 18	Fifty-third street, from Sixth to Ninth avenue.....	To dig test-pits.
159	" 18	Broadway and Seventh avenue, from Thirty-fourth to Forty-fifth street.....	Section under Permit No. 133.
160	" 20	Broadway, from Fourteenth to Twenty-third street.....	"
161	" 26	Amsterdam avenue, from Manhattan to One Hundred and Sixtieth street.....	Section under permit dated October 29, 1898.
163	" 26	One Hundred and Twenty-fifth street and Manhattan street, from East river to Hudson river.....	Section under permit dated October 29, 1898.
164	" 27	One Hundred and Thirty-fifth street, from Madison to Lenox avenue.....	Section under Permit No. 81.
165	" 27	Columbus avenue, from Seventy-ninth to One Hundred and Tenth street.....	Section under permit dated October 20, 1898.
168	July 7	Broadway, from Twenty-third to Thirty-fourth street.....	Section under Permit No. 133.
169	" 8	Thirty-fourth street, from Second to Lexington avenue.....	To lay feeder ducts.
171	" 10	Sixty-sixth street, from Second to Third avenue.....	"
173	" 10	Twenty-eighth street, from Seventh to Eleventh avenue.....	To renew tracks.
173	" 12	Twenty-ninth street, from Second avenue to Broadway.....	"
174	" 11	Fifty-ninth street, from Grand Circle to Tenth avenue.....	To lay feeder ducts.
176	" 10	Twenty-eighth street, from Seventh to Eleventh avenue.....	To lay temporary side track.
177	" 16	Twenty-ninth street, from Second avenue to Broadway.....	"
178	" 20	Avenue A, from Twenty-third to Twenty-fourth street.....	To lay connecting tracks.
179	" 26	Front street, from power station to Whitehall street.....	To lay feeder ducts.
180	" 26	Madison street, intersection of Grand street.....	To lay connecting track.
181	" 25	Broadway, intersection of Park row.....	To lay feeder ducts.
184	" 30	Broadway, from Canal to Fourteenth street.....	Section under Permit No. 133.
186	Aug. 6	Columbus avenue, from Sixty-fifth to Seventy-ninth street.....	Section under permit dated October 20, 1898.
187	" 6	Broadway, from Park row to Canal street.....	Section under Permit No. 133.
189	" 6	Twenty-eighth street, from Fifth to Seventh avenue.....	To renew tracks.
192	" 14	Twenty-ninth street, from Broadway to Eleventh avenue.....	"
198	" 23	Broadway, from Sixty-fourth to Sixty-sixth street.....	To lay temporary side track.
199	" 23	Broadway, from Battery place to Park row.....	Section under Permit No. 133.
200	" 28	Ninth avenue, from Fifty-third to Fifty-ninth street.....	Section under Permit No. 114.
201	" 28	Fifty-ninth street, from Sixth to Ninth avenue.....	To lay feeder ducts.
202	Sept. 1	Eleventh avenue and Twenty-fourth street, from Twenty-ninth street to Thirtieth street.....	To renew tracks.
204	" 19	Whitehall street, State street to Broadway.....	Section under Permit No. 133.
205	" 19	Houston and First street, from Cannon street to Avenue A.....	To renew tracks.
208	Oct. 3	Houston and Second street, from Goerck street to Avenue A.....	"
210	" 3	Fourth street, from Sixth avenue to Twelfth street.....	"
210	" 3	State street, from Whitehall street to Battery place.....	Section under Permit No. 133.
211	" 10	West and Desbrosses streets, from Washington to Water street.....	To rearrange tracks.
212	" 10	Madison avenue, from One Hundred and Thirty-eighth street to Hudson river.....	To renew tracks.
214	" 22	Seventh avenue, at intersection of Fourteenth street.....	To rearrange tracks and lay temporary curves.
216	" 26	Avenue A, from First to Tenth street.....	To renew tracks.
219	Nov. 15	Eighth avenue, from Forty-ninth to Fiftieth street.....	To lay turnout into car-house.

Permits Issued to the Third Avenue Railroad Company, Hugh F. Grant, Receiver.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
116	1900. Apr. 16	Third avenue, intersection of Forty-second street.....	Section under permit dated October 29, 1898.
118	" 16	Amsterdam avenue, from One Hundred and Sixtieth to One Hundred and Ninety-fifth street.....	Section under permit dated October 29, 1898.

Permits Issued to the Forty-second Street, Manhattanville and St. Nicholas Avenue Railway Company, Hugh F. Grant, Receiver.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
117	1900. Apr. 16	Amsterdam avenue, intersection of Fifty-ninth street....	Section under permit dated November 11, 1898.
121	June 20	Forty-second street, from First avenue to Hudson river....	Section under permit dated November 11, 1898.

Permits Issued to the Forty-second Street, Manhattanville and St. Nicholas Avenue Railway Company, William Jay, Receiver.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
119	1900. July 25	Broadway, from Fifty-ninth to Seventy-third street.....	Section under permit dated November 11, 1898.
123	" 25	Broadway, from One Hundred and Twenty-fourth to Manhattan street.....	Section under permit dated November 11, 1898.
125	Sept. 1	Seventh avenue and Broadway, from Forty-fourth to Forty-fifth street.....	Section under permit dated November 11, 1898.

Permit Issued to the Central Croton Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
107	1900. Sept. 29	Beginning at West street along Christopher street, with single track to Greenwich avenue; along Greenwich avenue, with double track to Sixth avenue; also beginning at Christopher street, along Greenwich avenue, with single track to West Tenth street; along West Tenth street, with single track to West street; along West street, with single track to Christopher street.....	General permit to change motive power to under-electric system.

Permit Issued to the Dry Dock, East Broadway and Battery Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
94	1900. Jan. 31	Along all of its lines.....	Repair permit for 1900.

Permits Issued to the Manhattan Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
135	1900. June 9	West Broadway, at northeast corner of Warren street.....	To repair column foundation.
137	July 5	Fifty-ninth street, just west of Third avenue (sidewalk only).	To install inclined elevator.

Permits Issued to the New York Central and Hudson River Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
170	1900. July 9	West street, from Bethune to West Twelfth street.....	To lay temporary crossovers.
185	" 30	West street, from Morion to Barrow streets.....	To lay a crossover.
191	Aug. 8	Forty-sixth and Forty-seventh streets, from Lexington avenue to railroad yard.....	To lay single track.
223	Dec. 21	West street, from Charles to Eleventh street.....	To lay temporary crossover.

Permit Issued to the Lehigh Valley Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
143	1900. May 21	Thirteenth avenue, just south of Twenty-seventh street....	To lay double tracks.

Permit Issued to the Central Railroad Company of New Jersey.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
284	1900. Dec. 4	Thirteenth avenue, from Fifteenth to Sixteenth street.....	To repair filler blocks.

Permit Issued to the Atlantic Transport Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
166	1900. June 28	West street, from Clarkson to West Houston street.....	To lay turnout.

BOROUGH OF THE BRONX.

Permits Issued to the Union Railway Company of New York City.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
193	1900. Aug. 14	Burnside avenue, from Jerome to Cedar avenue, University Heights.....	General permit to construct over electric street railway.
194	" 14	Boscobel avenue, from Jerome to Washington avenue, Highbridge.....	General permit to construct over electric street railway.
195	" 14	Cedar avenue, from Burnside avenue to One Hundred and Seventy-seventh street, Morris Heights.....	General permit to construct over electric street railway.
196	" 15	Westchester avenue, from Prospect avenue to Bronx river, Morris Heights.....	General permit to construct over electric street railway.
197	" 21	Jerome avenue, from Woodlawn road to City boundary line, Woodlawn.....	General permit to construct over electric street railway.
198	Oct. 23	Wester avenue, from One Hundred and Sixty-fifth street to Pelham avenue, Fordham.....	General permit to construct over electric street railway.
217	Nov. 8	Melrose avenue, from One Hundred and Sixty-first to One Hundred and Sixty-fifth street, Melrose.....	General permit to construct over electric street railway.

Permit Issued to the Manhattan Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
97	1900. Feb. 16	Third avenue, from One Hundred and Seventy-seventh street to Pelham avenue, Fordham.....	General permit to construct elevated railroad.

Permit Issued to the New York, Westchester and Connecticut Traction Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
120	1900. Apr. 17	In Westchester, beginning at the northerly bank of the Bronx river at the Boston Post road; thence along the Boston Post road to the city boundary, except across Hutchinson River Bridge.....	General permit to construct over electric street railway.

Permit Issued to the Edenswald Street Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
115	1900. Apr. 16	In Wakefield, beginning at the east bank of the Bronx river, on Nineteenth avenue; thence along Nineteenth avenue to Fourth street (or old White Plains road); thence along Fourth street (or old White Plains road) to Kingsbridge road; thence along Kingsbridge road to Nineteenth avenue; thence along Nineteenth avenue to Jefferson avenue; thence along Jefferson avenue to a point 250 feet east of Nineteenth avenue.....	General permit to construct over electric street railway.

BOROUGH OF BROOKLYN.

Permits Issued to the Brooklyn Heights Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
93	1900. Jan. 11	Union street, from Hamilton Ferry to Prospect Park Place.....	To construct over electric street railway.
112	Apr. 9	Neptune avenue, at Brooklyn and Brighton Beach Railroad crossing, at Manhattan Beach, Coney Island.....	To construct double-curve connecting tracks.
113	" 9	Neptune avenue, at Long Island Railroad crossing, at Manhattan Beach, Coney Island.....	To construct double-curve connecting tracks.
124	" 28	Thirteenth avenue, at intersection of Prospect Park and Coney Island Railroad, in Martense.....	To lay connecting curves.
125	" 24	Neptune avenue, at intersection of Prospect Park and Coney Island Railroad, in Van Sicken.....	"
126	" 24	Washington street, at intersection of Concord street.....	To rearrange curves.
127	" 24	Atlantic avenue, at South Ferry.....	To rearrange terminal.
128	" 27	Flushing avenue, at intersection of Marcy avenue.....	To renew curves and crossing.
129	" 27	Graham avenue, at intersection of Grand street.....	To lay connecting curves.
134	May 11	Fulton street, east of the crossing of the Long Island Railroad and near Norman place, in East New York.....	To lay turnouts to car-house.
135	" 11	Broadway, east of the crossing of the Long Island Railroad and near Cassius place, in East New York.....	"
137	" 16	Flatbush avenue, between Duryea place and Vernon avenue.....	To lay turnouts.
190	Aug. 6	Meeker avenue, from Graham avenue to Humboldt street, Greenpoint.....	To construct over electric street railway.

Permit Issued to the Sea View Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
175	1900. July 12	West First, Third and Fifth streets, intersection of right-of-way, Coney Island.....	To lay surface tracks.

BOROUGH OF QUEENS.

Permit Issued to the DeKalb Avenue and North Beach Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
131	1900. Apr. 27	Stanhope street, from Covert to Metropolitan avenue, East Williamsburg.....	General permit to construct over electric street railway.

Permit Issued to the New York and Queens County Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
139	1900. May 15	In Newtown, beginning at Grand street (formerly known as the Newtown and Maspeth road), and Juniper avenue, Maspeth; thence along Juniper avenue to Metropolitan avenue (or road), Middle Village.....	General permit to construct over electric street railway.

Permit Issued to the Ocean Electric Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
151	1900. June 4	Central avenue, at intersection of Moit avenue, in Far Rockaway.....	To lay connecting tracks.

Permit Issued to the Long Island Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
111	1900. April 9	Monroe street, Linwood street and Walnut street, Jamaica.....	To construct single curve connecting track.

BOROUGH OF RICHMOND.

Permits Issued to the Staten Island Midland Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
98	1900, Feb. 15	Richmond road at Lincoln avenue (per Red lane), Grant.	To complete double tracking.
99	Nov. 30	Castleson avenue, from Elizabeth street to Barker street, West New Brighton.	To remove turnout.
100	Dec. 3	Columbia avenue, from Post avenue to Canistota avenue, West New Brighton.	To lay turnout.

Permits Issued to the Staten Island Electric Railroad Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
188	1900, Aug. 6	Richmond terrace, from South avenue to Holland avenue, Highland Hook.	To lay a cross-over.
212	Oct. 10	Richmond terrace, from Bard avenue to Davis avenue, Livingston.	To change location of turnout.

MANS.

Permits Issued to the Consolidated Telegraph and Electrical Subway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
581	1900, Jan. 9	Sixty-ninth street, north side, from east side of West End avenue to west side of Broadway.	To lay main conduit.
584	" 13	Ninety-ninth street, north side, from west side of Columbus avenue to east side of Amsterdam avenue.	"
585	" 17	One Hundred and Nineteenth street, south side, from west side of Second avenue to east side of Pleasant avenue.	"
586	" 18	Ninth avenue, crossing Forty-second street.	"
587	" 26	One Hundred and Eighth street, south side, from west side of Broadway to east side of Riverside drive.	"
588	Mar. 23	Columbia street, east side, from north side of Grand street to south side of Broome street.	"
589	" 29	Ninth avenue, west side, from south side of Fifty-seventh street and north side of Fifty-ninth street.	"
590	" 31	Fifty-fourth street, north side, from west side of Eighth avenue to west side of Ninth avenue.	"
591	Apr. 5	Seventy-eighth street, south side, from west side of Broadway to east side of Amsterdam avenue.	"
592	" 10	Eighty-ninth street, south side, from east side of Riverside drive to west side of West End avenue.	"
593	" 16	Twelfth street, south side, from west side of Avenue A to west side of Avenue B.	"
594	" 17	Twenty-sixth street, north side, from west side of Ninth avenue to west side of Eighth avenue.	"
595	" 18	One Hundred and Forty-fifth street, north side, from east side of Convent avenue to east side of St. Nicholas avenue.	"
596	" 19	St. Nicholas avenue, east side, from north side of One Hundred and Forty-fifth street to south side of One Hundred and Forty-seventh street.	"
597	" 23	St. Mark's place, north side, from west side of First avenue to west side of Avenue A.	"
598	" 24	Central Park, West, west side, from south side of Eighty-second street to south side of Eighty-sixth street.	"
599	" 30	One Hundred and Ninth street, south side, from east side of Amsterdam avenue to west side of Columbus avenue.	"
600	" 30	One Hundred and Forty-sixth street, north side, from west side of Convent avenue to east side of Amsterdam avenue.	"
601	May 1	One Hundred and Eighteenth street, south side, from east side of St. Nicholas avenue to west side of One Hundred and Nineteenth street.	"
602	" 7	St. Nicholas avenue, west side, from north side of One Hundred and Nineteenth street to south side of One Hundred and Twentieth street.	"
603	" 3	Third avenue, east side, from south side of One Hundred and Sixteenth street to north side of One Hundred and Twentieth street.	"
604	" 9	Nineteenth street, south side, from east side of Columbus avenue to west side of Central Park, West.	"
605	" 11	Central Park, West, west side, from north side of Eighty-sixth street to north side of Eighty-ninth street.	"
606	" 18	Ninety-ninth street, south side, from west side of Central Park, West, to west side of Columbus avenue.	"
607	" 28	Fiftieth street, from west side of First avenue to east side of Livingston place.	"
608	" 14	Central Park, West, west side, from south side of Ninety-ninth street to south side of One Hundred and Second street.	"
609	" 14	Lenox avenue, east side, from north side of One Hundred and Tenth street to north side of One Hundred and Thirteenth street.	"
610	" 15	Ninety-second street, south side, crossing Lexington avenue.	"
611	" 20	St. Nicholas avenue, west side, from south side of One Hundred and Fifty-third street to north side of One Hundred and Fifty-ninth street.	"
612	" 17	One Hundred and Ninth street, south side, from west side of Broadway to east side of Riverside drive.	"
613	" 17	Broadway, west side, from Sixty-fifth street and Columbus avenue to south side of Sixty-sixth street.	"
614	" 18	Lenox avenue, east side, from south side of One Hundred and Sixteenth street to south side of One Hundred and Seventy-second street.	"
615	" 21	One Hundred and Eighth street, south side, from west side of Amsterdam avenue to west side of Broadway.	"
616	" 21	Broadway, east side, from south side of One Hundred and Eighth street to south side of One Hundred and Ninth street.	"
617	" 21	One Hundred and Sixth street, north side, from east side of Riverside drive to west side of West End avenue.	"
618	" 21	Forty-fifth street, north side, crossing Tenth avenue.	"
619	" 21	One Hundred and Fifty-first street, north side, crossing St. Nicholas avenue.	"
620	" 26	St. Nicholas avenue, west side, from north side of One Hundred and Fifty-ninth street to north side of One Hundred and Sixtieth street.	"
621	" 26	Broadway, east side, from north side of One Hundred and Twenty-fourth street to north side of One Hundred and Twenty-fifth street.	"
622	" 28	Twenty-ninth street, north side, from west side of Sixth avenue to east side of Seventh avenue.	"
623	" 28	One Hundred and Fifty-ninth street, north side, from west side of St. Nicholas avenue to east side of Amsterdam avenue.	"
624	" 28	One Hundred and Eighth street, north side, crossing Second avenue.	"
625	" 28	Ninth avenue, east side, crossing Forty-seventh street.	"
626	" 28	One Hundred and Tenth street, north side, from west side of Broadway to east side of Riverside drive.	"
627	" 31	Seventy-first street, north side, from west side of Columbus avenue to east side of Amsterdam avenue.	"
628	" 31	One Hundred and Twenty-first street, north side, from west side of Eighth avenue to west side of Manhattan avenue.	"
629	June 4	Amsterdam avenue, west side, from north side of One Hundred and Twelfth street to north side of One Hundred and Thirteenth street.	"
630	" 4	One Hundred and Twelfth street, north side, from west side of Amsterdam avenue to west side of Broadway.	"
631	" 4	One Hundred and Second street, north side, from west side of Broadway to east side of West End avenue.	"
632	" 6	Seventy-third street, south side, from west side of West End avenue to east side of Riverside drive.	"
633	" 8	Horatio street, south side, from northwest corner of Eighth avenue to southeast corner of Greenwich avenue.	"
634	" 8	Greenwich avenue, east side, from north side of Christopher street to south side of Horatio street.	"
635	" 8	Mulberry street, east side, from south side of Worth street to north side of Bayard street.	"
636	" 8	Fifth avenue, east side, from north side of One Hundred and Fourteenth street to south side of One Hundred and Sixteenth street.	"
637	" 8	Charles street, south side, from north side of Greenwich street to south side of Blooming street.	"
638	" 13	One Hundred and Tenth street, north side, from east side of Lenox avenue to west side of St. Nicholas avenue.	"
639	" 13	Seventy-eighth street, south side, from west side of Broadway to west side of West End avenue.	"
640	" 13	Eighth avenue, west side, from south side of One Hundred and Forty-ninth street to north side of One Hundred and Fifty-eighth street.	"
641	" 14	Greenwich avenue, south side, from west side of Tenth avenue to south-west corner of Christopher street.	"
642	" 14	Ninety-third street, south side, from west side of Central Park, West, to east side of Columbus avenue.	"

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
643	1900, June 14	Ninety-second street, south side, from west side of West End avenue to east side of Riverside drive.	To lay main conduit.
644	" 14	Rivington street, south side, from west side of Attorney street to east side of Clinton street.	"
645	" 19	Ninety-third street, north side, from west side of Broadway to west side of West End avenue.	"
646	" 19	Attorney street, west side, from south side of Rivington street to south side of Houston street.	"
647	" 20	Ninety-third street, south side, from east side of Third avenue to east side of Lexington avenue.	"
648	" 24	Sixty-eighth street, north side, from west side of Central Park, West, to east side of Columbus avenue.	"
649	" 26	Forty-first street, north side, from west side of Second avenue to west side of Third avenue.	"
650	" 26	One Hundred and Eighteenth street, north side, from west side of Eighth avenue to east side of Morningside avenue.	"
651	" 26	Righty-fourth street, north side, from west side of West End avenue to east side of Riverside drive.	"
652	" 26	Eleventh avenue, east side, from south side of Minetta lane to north side of Eighth street.	"
653	" 26	Twelfth street, south side, from west side of Third avenue to west side of Avenue A.	"
654	" 26	Eleventh street, north side, crossing Sixth avenue.	"
655	" 28	Caroline street, south side, from south side of Broecker street to south side of Minetta lane.	"
656	" 28	St. Nicholas avenue, east side, from north side of One Hundred and Fifteenth street to south side of One Hundred and Sixteenth street.	"
657	" 29	June street, north side, from east side of Washington street to west side of Greenwich street.	"
658	" 29	Ninety-third street, south side, from west side of Columbus avenue to east side of Amsterdam avenue.	"
659	July 3	Eighty-third street, south side, from No. 123 East Eighty-third street to west side of Third avenue.	"
700	" 3	Broadway, east side, from north to south side of Eighty-third street.	"
701	" 3	Ninety-ninth street, north side, from east side of Amsterdam avenue to west side of Broadway.	"
702	" 9	Ninety-ninth street, north side, from east side of West End avenue to east side of Riverside drive.	"
703	" 10	Forty-eighth street, north side, from east side of Lexington avenue to west side of Third avenue.	"
704	" 12	First avenue, east side, from north side of Thirty-eighth street to south side of Forty-second street.	"
705	" 13	Seventy-ninth street, north side, from west side of First avenue to west side of Second avenue.	"
706	" 18	Seventy-first street, south side, from west side of West End avenue to end of West Seventy-first street.	"
707	" 18	Twelfth street, north side, from east side of Fifth avenue to east side of Broadway.	"
708	" 18	Amsterdam avenue, east and west sides, Seventeenth street to Seventy-first street, west side of Seventy-first street to Seventy-second street, and intersection of Amsterdam avenue, north side of Seventy-first street.	"
709	" 19	One Hundred and Tenth street, north side, east to west side of Amsterdam avenue.	"
710	" 24	One Hundred and Eleventh street, north side, crossing Seventh avenue.	"
711	" 24	Seventh avenue, west side, from north side of One Hundred and Thirteenth street to north side of One Hundred and Sixteenth street.	"
712	" 24	Fifth avenue, east side, from south side of One Hundred and Sixteenth street to north side of One Hundred and Seventeenth street.	"
713	" 30	Righty-ninth street, north side, from west side of Park avenue to east side of Madison avenue.	"
714	" 30	Sixty-sixth street, north side, from west side of Central Park, West, to east side of Columbus avenue.	"
715	Aug. 2	Seventy-eighth street, south side, from west side of West End avenue to east side of Riverside drive.	"
716	" 3	Second street, south side, from east side of Second avenue to northwest corner of First avenue.	"
717	" 3	Mount Morris avenue, west side, from south of One Hundred and Twenty-second street to north side of One Hundred and Twenty-fourth street.	"
718	" 7	Hester street, north side, from east side of Mott street to the east side of Elizabeth street.	"
719	" 10	Morningside avenue, from north side of One Hundred and Eighteenth street to north side of One Hundred and Nineteenth street.	"
720	" 10	Fifty-fourth street, south side, from east side of Third avenue to east side of Lexington avenue.	"
721	" 13	One Hundred and First street, north side, from east side of Amsterdam avenue to east side of West End avenue.	"
722	" 13	Lexington avenue, east side, from south side of Ninety-third street to south side of Ninety-fifth street.	"
723	" 16	One Hundred and Thirteenth street, north side, from east side of St. Nicholas avenue to west side of Seventh avenue.	"
724	" 17	MacDougal street, east side, from north side of Spring street to south side of Vandam street.	"
725	" 17	Spring street, north side, from east side of West Broadway to east side of MacDougal street.	"
726	" 17	Spring street, south side, from West side of Elm street to east side of Broadway.	"
727	" 20	Stanton street, north side, crossing Chrystie street.	"
728	" 21	Broadway, west side, from north side of One Hundred and Tenth street to north side of One Hundred and First street.	"
729	" 21	Duane street, south side, from west side of Elm street to No. 53 and 57 Duane street.	"
730	" 22	Broadway, east side, from south side of Ninety-second street to north side of Ninety-third street.	"
731	" 22	Pearl street, south side, from east side of Broadway to No. 534 Pearl street.	"
732	" 22	Elm street, west side, from south side of Reade street to south side of Duane street.	"
733	" 24	One Hundred and Seventh street, south side, from west side of Central Park, West, to No. 6 West One Hundred and Seventh street.	"
734	" 24	One Hundred and Seventh street, south side, from west side of Manhattan avenue to east side of Columbus avenue.	"
735	" 26	One Hundred and Sixteenth street, north side, from east side of Amsterdam avenue to No. 480 West One Hundred and Sixteenth street.	"
736	" 26	Ferry street, south side, from west side of Broecker street to west side of Madison street.	"
737	" 30	One Hundred and Fifth street, south side, from west side of First avenue to west side of Second avenue.	"
738	Sept. 1	One Hundred and Twelfth street, south side, from west side of Eighth avenue to east side of Manhattan avenue.	"
739	" 3	One Hundred and Forty-third street, south side, from west side of Hamilton place to No. 95 West One Hundred and Forty-third street.	"
740	" 3	Sixty-third street, north side, from east side of Broadway to east side of Columbus avenue.	"
741	" 7	Forsyth street, east side, from south side of Delancey street to 122 feet south.	"
742	" 7	Eleventh avenue, west side, from north side of One Hundred and Twenty-eighth street to northeast corner of One Hundred and Twenty-ninth street.	"
743	" 7	Thirtieth street, south side, crossing Seventh avenue.	"
744	" 8	Eighty-seventh street, south side, crossing Broadway.	"
745	" 14	Clinton street, east side, from No. 112 to No. 126.	"
746	" 19	Broadway, west side, crossing Ninety-seventh street.	"
747	" 19	Ninety-seventh street, north side, from east side of West End avenue to 175 feet west of West End avenue.	"
748	" 26	One Hundred and Fortieth street, north side, from east side of Seventh avenue to 210 feet east.	"
749	" 24	Nineteenth street, south side, from No. 109 and 111 West Nineteenth street to west side of Sixth avenue.	"
750	" 24	Twentieth street, south side, from west side of Sixth avenue to No. 108 and 110 West Twentieth street.	"
751	" 27	One Hundred and Thirtieth street, south side, from west side of Seventh avenue to No. 144 West One Hundred and Thirtieth street.	"
752	" 28	One Hundred and Fourteenth street, crossing St. Nicholas avenue.	"
753	" 29	Seventy-fourth street, south side, from southwest corner of Broadway to No. 208 West Seventy-fourth street.	"
754	Oct. 2	Market street, west side, from south side of East Broadway to south side of Division street.	"
755	" 3	East Broadway, south side, from east side of Market street to No. 109 East Broadway.	"
756	" 3	Thirtieth street, north side, from west side of Ninth avenue to No. 137 West Thirtieth street.	"
757	" 4	Eighty-second street, south side, from east side of Amsterdam avenue to No. 146 West Eighty-second street.	"
758	" 10	Fifty-second street, north side, from No. 15 East Fifty-second street to west side of Madison avenue.	"
759	" 20	One Hundred and Eighth street, north side, from east side of Second avenue to No. 311 East One Hundred and Eighth street.	"
760	" 25	Ninetyth street, south side, crossing Columbus avenue.	"

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
	1900.		
761	Oct. 25	Ninety-first street, north side, from west side of Columbus avenue to No. 121 West Ninety-first street.	To lay main conduit.
762	" 15	One Hundred and Twenty-fourth street, north side, from east side of Madison avenue to Nos. 23 and 25 East One Hundred and Twenty-fourth street.	"
763	" 17	Forty-ninth street, north side, from west side of Park avenue to west side of Third avenue.	"
764	" 23	Forty-second street, crossing Eleventh avenue.	"
765	" 24	Thirty-ninth street, north side, from east side of Lexington avenue to east side of Park avenue.	"
766	" 31	One Hundred and Second street, south side, from east side of Amsterdam avenue to east side of Broadway.	"
767	Nov. 2	Eighty-seventh street, north side, from west side of Broadway to Nos. 271 and 273 West Eighty-seventh street.	"
768	" 5	Fifty-third street, south side, from west side of Third avenue to east side of Lexington avenue.	"
769	" 9	Twenty-first street, south side, from east side of Eighth avenue to Nos. 234 and 236 West Twenty-first street.	"
770	" 10	Eightieth street, south side, from west side of Columbus avenue to No. 104 West Eightieth street.	"
771	" 12	Livingston place, east side, from south side of Fifteenth street to south side of Seventeenth street.	"
772	" 12	Amsterdam avenue, east side, from north side of One Hundred and Twenty-third street to north side of One Hundred and Twenty-fourth street.	"
773	" 14	One Hundred and Twenty-third street, north side, from east side of Amsterdam avenue to 225 feet east.	"
774	" 15	One Hundred and Twelfth street, south side, from west side of Seventh avenue to Nos. 212 and 224 West One Hundred and Twelfth street.	"
775	" 16	One Hundred and Thirty-third street, north side, from east side of Eighth avenue to No. 261 West One Hundred and Thirty-third street.	"
776	" 16	Park avenue, east side, from north side of Sixty-fifth street to south side of Sixty-sixth street.	"
777	" 19	Seventeenth street, south side, from west side of Sixth avenue to No. 122 West Seventeenth street.	"
778	" 19	One Hundredth street, south side, from east side of Third avenue to Nos. 210 and 220 East One Hundredth street.	"
779	" 20	One Hundred and Eighteenth street, north side, crossing Eighth avenue.	"
780	" 22	Ninety-seventh street, north side, crossing Amsterdam avenue.	"
781	" 24	Eighty-third street, south side, from east side of Riverside drive to No. 348 West Eighty-third street.	"
782	" 26	One Hundred and Seventeenth street, north side, crossing Sixth avenue.	"
783	" 26	Thirtieth street, north side, from west side of Third avenue to No. 236 East Thirtieth street.	"
784	" 27	One Hundred and Twenty-ninth street, north side, from southwest corner of Fifth avenue to east side of Madison avenue.	"
785	" 30	Rivington street, north side, from east side of Cannon street to public bath between Gorck and Mangin streets.	"
786	" 30	Cannon street, east side, from north side of Broome to north side of Rivington street; also crossing Grand street.	"
787	Dec. 6	One Hundred and Fifteenth street, south side, crossing Fifth avenue.	"
788	" 6	Eighty-fourth street, north side, from east side of Broadway to No. 211 West Eighty-fourth street.	"
789	" 14	Hudson street, east side, from north side of Franklin street to No. 411 Hudson street.	"
790	" 17	One Hundred and Fifth street, south side, from west side of St. Nicholas avenue to No. 402 West One Hundred and Fifth street.	"
791	" 17	Manhattan avenue, east side, from north side of One Hundred and Eighteenth street to No. 402 Manhattan avenue.	"
792	" 20	Seventy-third street, south side, from west side of Madison avenue to No. 29 East Seventy-third street.	"

Permits Issued to the Empire City Subway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
53	Mar. 22	Thomas street, north side, from west side of Broadway to east side of Church street.	To lay main conduit.
56	" 23	William street, east side, from south side of Frankfort street to south side of Spruce street.	"
57	Apr. 9	Fourth avenue, west side, from south side of Fifteenth street to north side of Eighteenth street.	"
58	" 9	Fourteenth street, south side, from west side of Broadway to west side of Fourth avenue.	"
59	" 9	Eighteenth street, south side, from 100 feet east of Broadway to manhole west of Irving place.	"
60	" 21	Central Park, West, west side, from south side of Eighty-second street to south side of One Hundred and Eleventh street.	"
61	" 22	Ninety-first street, south side, from west side of Madison avenue to east side of Fifth avenue.	"
62	" 22	Sixth avenue, east and west sides, from north side of Twenty-third street to north side of Twenty-sixth street.	"
63	May 16	Eighty-ninth street, south side, from West side of Columbus avenue to west side of Central Park, West.	"
64	" 26	Third avenue, west side, from north side of Twenty-first street to south side of Twenty-third street.	"
65	June 4	Madison avenue, east side, from north side of One Hundred and Fourth street to north side of One Hundred and Seventh street.	"
66	" 4	One Hundred and Twentieth street, north side from west side of Park to east side of Madison avenue.	"
67	" 8	Madison avenue, east side, from south side of One Hundred and Sixteenth street to north side of One Hundred and Twentieth street.	"
68	" 11	Park avenue, west side, from north side of One Hundred and Twentieth street to north side of One Hundred and Twenty-fourth street.	"
69	" 12	Madison avenue, west side, from north side of Ninety-fifth street to north side of Ninety-seventh street.	"
70	" 20	Park avenue, west side, from north side of Forty-ninth street to south side of Fifth street.	"
71	" 26	Ninety-seventh street, north side, from east side of Madison avenue to east side of Fifth avenue.	"
72	" 26	Perry street, south side, from east side of West street to east side of Washington street.	"
73	July 3	Little West Twelfth street, north side, from west side of Hudson street to west side of Washington street.	"
74	" 21	Fourth avenue, east side, from northwest corner of Seventeenth street to south side of Eighteenth street.	"
75	" 23	Eighteenth street, south side, from 100 feet east of Fourth avenue to 100 feet west of west side of Fourth avenue.	"
76	" 23	West Fourth street, west side, from south side of Barrow street to south side of Christopher street.	"
77	" 24	Central Park, West, west side, from south side of Sixtieth street to north side of Seventieth street.	"
78	" 31	Amsterdam avenue, west side, from south side of Eighty-ninth street to north side of One Hundred and Third street.	"
79	Aug. 7	Amsterdam avenue, west side, from south side of Sixty-ninth street to south side of Seventy-fifth street.	"
80	" 10	Fifty-eighth street, north side, from east side of Seventh avenue to west side of Eighth avenue.	"
81	" 10	Eighty avenue, west side, from north side of Fifty-eighth street to Grand Circle, thence around east side of Grand Circle to Sixtieth street.	"
82	" 24	Amsterdam avenue, west side, from north side of One Hundred and Third street to north side of One Hundred and Ninth street.	"
83	" 24	Washington street, west side, from north side of Horatio street to south side of Gansevoort street.	"
84	" 31	Lenox avenue, east side, from south side of One Hundred and Thirtieth street to north side of One Hundred and Sixteenth street.	"
85	" 31	Broadway, west side, from south side of One Hundred and Seventh street to north side of One Hundred and Ninth street.	"
86	Sept. 4	Twenty-sixth street, south side, from east side of Sixth avenue to Nos. 47 and 49 West Twenty-sixth street.	"
87	" 21	Duane street, south side, from west side of Church street to east side of West Broadway.	"
88	" 27	Seventh avenue, west side, from north side of Forty-seventh street to north side of Fifty-first street and across Seventh avenue to the east side.	"
89	Oct. 15	Seventh avenue, west side, from north side of Thirty-eighth street to north side of Forty-second street.	"
90	" 29	Seventh avenue, west side, from north side of Forty-second street to south side of Forty-third street; thence across Seventh avenue and Broadway; thence along east side of Broadway and Seventh avenue to north side of Forty-seventh street; thence across Seventh avenue to west side of Seventh avenue.	"
91	Nov. 23	Seventh avenue, west side, from north side of One Hundred and Thirty-eighth to north side of One Hundred and Fortieth street.	"

Permits Issued to the New York Fire Department.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
95	1900. Feb. 9	Along all of its lines	Emergency permit for 1900.
65	July 31	Fifty-second street, north side, from west side of Second avenue to Girls' High School.	To lay main conduit.

Permits Issued to the Consolidated Gas Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
376	May 14	One Hundred and Fifty-fourth street, north side, from Macomb's Dam road to Eighth avenue.	To lay gas-main.
377	" 14	One Hundred and Forty-ninth street, north side, from west side of Seventh to the east side of Eighth avenue.	"
378	" 29	Audubon avenue, west side, from One Hundred and Seventieth to One Hundred and Seventy-second street.	"
379	" 29	Audubon avenue, west side, from north side of One Hundred and Sixty-fifth to north side of One Hundred and Sixty-eighth street.	"
380	June 4	One Hundred and Twenty-seventh street, north side, from Manhattan street to Broadway.	"
381	" 23	One Hundred and Twenty-fourth street, north side, from Amsterdam avenue to Broadway.	"
382	" 23	One Hundred and Eighty-eighth street, north side, from Audubon to Eleventh avenue.	"
383	Aug. 2	One Hundred and Eighth street, north side, from First to Pleasant avenue.	"
384	" 6	Ninety-ninth street, north side, from west side of West End avenue to east side of Riverside drive.	"
385	" 14	Broadway, west side, from south side of One Hundred and Ninth to north side of One Hundred and Thirty-second street.	"
386	Sept. 17	One Hundred and Fifty-ninth street, north side, from St. Nicholas to Amsterdam avenue.	"
387	Oct. 3	One Hundred and Twenty-sixth street, south side, from Lenox avenue to Lawrence street; thence on Lawrence street, from One Hundred and Twenty-sixth street to Broadway, and on Broadway, from Lawrence street to One Hundred and Thirty-first street.	"
388	" 5	One Hundred and Fortieth street, north side, from west side of Lenox avenue to east side of Seventh avenue.	"
389	" 27	Sixty-third street, south side, from First avenue to 400 feet east.	"
390	Nov. 9	Nagle avenue, north side, from Broadway to Dyckman street.	"
391	" 14	One Hundred and Thirty-ninth street, north side, from east side of Lenox avenue to the Harlem river.	"

Permits Issued to the New Amsterdam Gas Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
30	1900. Nov. 24	From centre of First avenue, thence under sidewalk to 129 feet east of First avenue, in Forty-second street.....	To lay gas-main.
31	" 24	From 7 feet east of the west curb of Eleventh avenue and Fifty-eighth street to sidewalk, thence under sidewalk in Fifty-eighth street, running 360 feet east of Eleventh avenue	"
32	Dec. 19	Forty-second street, south side, from 50 feet east of the east curb of First avenue to 129½ feet east of the east curb of First avenue, under sidewalk.....	"

Permit Issued to the Manhattan Railway Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
140	1900. May 15	Seventy-fifth street, south side, from east side of First avenue to about middle of the block between Avenue A and Exterior street.....	To lay a 12-inch water-main.

Permit Issued to the United Electric Light and Power Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
206	1900. Sept. 21	Twenty-eighth street, from No. 405 east, to marginal line for docks....	To lay salt water-mains.

Permit Issued to the Manhattan Refrigerating Company.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
218	1900. Nov. 9	Along all of its lines.	Emergency permit for 1900.

Permit Issued to the New York Cotton Exchange.

No. of Permit.	DATE OF ISSUE.	LOCATION.	PURPOSE.
124	1900. June 6	Hanover square.....	To place manhole curb and cover for coal inlet.

SUMMARY OF LENGTH OF MAINS LAID.

Electric main conduits, miles.	22.23
Electric fire-alarm ducts, feet.	2,781
Gas-mains, miles.	4.52
Gas-mains overhauled, miles.	11.08
Water-mains, feet.	1,068

SERVICES AND REPAIRS.

Number of Permits.

Permits issued to private corporations to make and repair house service connections for electricity, gas, steam, etc.	15,582
---	--------

Number of Openings.

Openings made to repair Croton water-mains and main sewers.	1,214
Openings made to repair all mains other than Croton water-mains and main sewers, and to make and repair house service connections for water, sewage, electricity, gas, steam, etc.	20,042
Openings made to repair all mains and to make and repair all house service connections.	21,256

Number of Inspections.

Number of inspections of pavements relaid where openings have been made, in order to note their condition.	47,783
Notices sent from this office to private corporations to repair defective pavements relaid where openings have been made by them.	578
Defective pavements repaired in compliance with the above notices.	401

Number of Emergencies.

Openings made to repair dangerous leaks during the hours when this office is closed, by the:	
Edison Electric Illuminating Company.....	127
Consolidated Gas Company.....	36
New Amsterdam Gas Company.....	136
Mutual Gas-light Company.....	2
Standard Gas-light Company.....	1
Total.....	302

DOCUMENT "E."

DEPARTMENT OF HIGHWAYS—BUREAU OF STREETS AND ROADS,
BOROUGH OF MANHATTAN, NOS. 13 TO 21 PARK ROW,
NEW YORK, January 15, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways:

DEAR SIR—I respectfully submit the following statement of the financial condition of the Bureau, accompanied with an accounting of the work done and the materials used during the year ending December 31, 1900:

The operations of this Bureau consist of the maintenance of 21.60 miles of gravel and macadam roads and 33.26 miles of dirt roads in the Borough of Manhattan. This includes the repaving of washouts, repaving the gutters, to ensure proper drainage, also resetting curbing and flagging where necessary.

An examination of these reports will show that a great amount of the work of this Bureau cannot well be tabulated, yet calls for a considerable expenditure on the part of the City, such as the sprinkling, rolling and scraping of the macadam and gravel roads. This work, particularly on Seventh, Lenox and St. Nicholas avenues, is very important, owing to large building interests along these avenues, necessitating a very careful and constant attention on the part of this Bureau to prevent the roadway being irretrievably ruined by the repeated tearing up of the roadway for house connections and the excessive traffic of heavy building material trucks.

Seventh avenue, from One Hundred and Forty-fifth street to One Hundred and Fifty-third street, has been resurfaced, placing the avenue between Central Park and McComb's Dam Bridge in first-class condition.

Respectfully,

JOHN J. SULLIVAN Superintendent, Streets and Roads.

The following is a statement of the work performed and materials used on Boulevards, Roads and Avenues, Maintenance of, and Roads, Streets and Avenues, Unpaved, Maintenance of, and Sprinkling, during the year ending December 31, 1900:

Macadam roadway repaired, square yards.....	39,149
Gravel roadway repaired, square yards.....	107,138
Dirt roadway repaired, square yards.....	48,617
Dirt roadway regulated and graded, square yards.....	60,576
Roadways cleaned, miles.....	3,562 1/2
Gutters cleaned, miles.....	3,891 1/2
Crosswalks cleaned, miles.....	1,108 1/2
Sidewalks repaired, square yards.....	49
Gutters repaved, square yards.....	139
Crosswalks of ashes made.....	100
Loom hauled and used, loads.....	35
Stone hauled and used, loads.....	1,308
Broken stone hauled and used, loads.....	1,776
Gravel hauled and used, loads.....	1,575
Stone screenings hauled and used, loads.....	962
Gravel screenings hauled and used, loads.....	1,946
Sand hauled and used, loads.....	14
Ashes hauled and used, loads.....	369
Earth hauled and used, loads.....	8,117
Paving stones hauled and used, loads.....	6
Gravel piled, loads.....	400
Brush removed, loads.....	10
Washouts filled.....	11,893
Snow and ice removed, loads.....	6,325

DOCUMENT "F."

DEPARTMENT OF HIGHWAYS—BUREAU OF INCUMBRANCES,
ROOM 1739, NOS. 13 TO 21 PARK ROW,
NEW YORK, January 11, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways:

DEAR SIR—I desire to submit herewith the following report of the operations of this Bureau for the year 1900: During the year there were

Complaints of obstructions received and attended to.....	3,220
Seizures and removals of obstructions made.....	913
Loads of dirt, stone and rubbish removed.....	1,784
Dead and dangerous trees, posts, etc., removed.....	489
Building-material permits issued.....	3,913
Permits to cross sidewalks issued.....	498
Permits to erect temporary sheds issued.....	364
Permits issued to cut down shade trees.....	5
Notices served to repair defective vault covers.....	9

Salary Account Appropriation.....	\$14,500 00
Expended to March 31—First Quarter.....	\$3,399 99
Expended to June 30—Second Quarter.....	3,549 99
Expended to September 30—Third Quarter.....	3,613 70
Expended to December 31—Fourth Quarter.....	3,897 98
	14,438 66

Balance.....\$61 34

Appropriation for "Removing Obstructions and Incumbrances from Streets and Avenues".....	\$15,000 00
November 21, by transfer from appropriation "Salaries: Administration Borough of Manhattan".....	2,500 00
December 27, by transfer from appropriation "Salaries: Repaving Streets and Avenues, Borough of Manhattan".....	750 00
Total.....	\$18,250 00

EXPENDITURES.

Removal of obstructions and incumbrances.....	\$5,741 25
Removal of dirt, stone, etc., and throwing in at various places.....	5,063 20
Removal of dead and dangerous trees, etc.....	1,711 50
Transportation expenses of Inspectors.....	686 65
Horse and wagon for Superintendent.....	960 00
Salaries, two Foremen and two Laborers.....	3,644 00
Telephone service, Fifty-sixth street Yard.....	75 00
	17,881 60

Balance.....\$368 40

RECEIPTS.

From owners for redemption of seized articles.....	\$149 00
For permits to erect temporary sheds.....	1,820 00
From auction sale, unredeemed articles (May 7).....	569 07
From auction sale, unredeemed articles (November 26).....	487 44
	\$3,025 51

All of which was duly paid over to the Cashier.

It will be observed in reading the foregoing report that it was necessary to obtain two transfers to the appropriation for "Removing Obstructions and Incumbrances from Streets and Avenues." This was caused by the removal of the "Dewey Arch" from Fifth avenue, Broadway, Twenty-third to Twenty-fifth streets.

This was a work of some magnitude and required great care and diligence on the part of the contractor engaged in the removal of this arch, so as not to interfere with public traffic, which is very heavy in this vicinity.

Very respectfully,

F. J. SULLIVAN, Superintendent of Incumbrances.

DOCUMENT "G."

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS,
BOROUGH OF THE BRONX, DEPUTY COMMISSIONER'S OFFICE,
THIRD AVENUE AND ONE HUNDRED AND SEVENTY-SEVENTH STREET,
NEW YORK, March 26, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways, New York City:

DEAR SIR—I beg to report as follows the work done under my jurisdiction in the Borough of The Bronx during the year 1900:

Contracts in force January 1, 1900.....	24
Contracts executed during 1900.....	53
Contracts completed during 1900.....	37
Contracts in force December 31, 1900.....	40

Under the regulating and grading contracts the principal items of work done are as follows:

Earth excavation, cubic yards.....	186,410.3
Rock excavation, cubic yards.....	88,445
Filling, cubic yards.....	629,720.4
New curbstone, linear feet.....	187,819.3
New flagging, square feet.....	672,521.7
New bridgestone, square feet.....	81,250
Dry rubble masonry, cubic yards.....	31,849.7
Rubble masonry in mortar, cubic yards.....	2,717

The length of streets regulated, graded and accepted during the year, 19.92 miles.

The regulating and paving contracts show results as follow:

Sheet asphalt, square yards.....	76,308.4
Granite block, square yards.....	11,434.4

The length of streets paved during the year is 3.933 miles, and that of repaving 2.054 miles.

The Viaduct and Bridge contracts:

7,538 cubic yards first and second class masonry.

7,901 cubic yards concrete.

210,000 pounds of steel and iron were received and erected in place.

In the Engineering Bureau the work has progressed as rapidly as possible with following results:

One hundred and eighty-eight seventy per cent. payments, 31 payments on acceptance, 47 final and retained amounts, 30 assessment lists completed, 65 plans completed, 67 field books completed, 135 preliminary surveys, 54 scows of broken stone and screenings measured, 140 tracings completed, 32 records completed, 39 contracts completed.

The principal items of work done by the Maintenance Bureau is as follows:

New macadam laid, square yards.....	4,422
Macadam repaired, square yards.....	68,436
Macadam resurfaced, square yards.....	15,767
Remacadamized, square yards.....	67,612
Scraped and cleaned, square yards.....	1,806,723
Trap-block pavement repaired, square yards.....	11,509
Granite-block pavement repaired, square yards.....	34,349
Granite-block pavement on concrete, square yards.....	1,167
Trap-block paved gutters repaired, square yards.....	205
Cobblestone paved gutters (new), square yards.....	262
Native stone gutters paved (new), square yards.....	9,583
Earth roadways repaired, surface scraped, square yards.....	2,133,031
Earth roadways repaired with native stone, square yards.....	27,097
Gutters formed and cleaned, linear feet.....	2,781,504
Curbstones set, reset and formed with native stone, linear feet.....	22,679
Sidewalks repaired, surfaced with ashes and screenings, square feet.....	1,382,961
Sidewalks laid, planked and repaired, linear feet.....	64,171
Crosswalks laid, new, square feet.....	1,455
Crosswalks relaid and repaired, square feet.....	53,094
Crosswalks constructed with native stone and ashes, square feet.....	7,386
Crosswalks cleaned on macadam and unpaved streets, square feet.....	60,930,675
Retaining-walls built and rebuilt, cubic yards.....	2,185
Bridges repaired, square feet.....	2,502
Bridges replanked, square feet.....	33,454
Bridges cleaned, square feet.....	415,364

The following material was used in the repairs and maintenance of the highways:

Broken trap-rock stone, 1 1/2 inch, cubic yards.....	11,558
Trap-rock screenings, cubic yards.....	2,951
Earth filling, cubic yards.....	63,217
Native stone, cubic yards.....	34,283
Sand, cubic yards.....	4,536
Ashes, cubic yards.....	4,203

The principal thoroughfares of the borough have been sprinkled to the extent of 90 miles, when required.

REVENUE RECEIVED FROM PERMITS.

Permits issued, all kinds.....	5,197
Cash received for restoring pavements.....	\$6,058 63
Cash received for various permits.....	902 75
- Total cash received.....	\$6,971 38

INCUMBRANCES.

Permits issued, all kinds.....	1,247
Cash received for redemption of seized and removed articles, etc.....	\$57 74

SUMMARY OF EXPENDITURES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1900.

"Salaries, Contingencies, Labor, Maintenance and Supplies, Preliminary Surveys, etc., Rock Soundings, Standard Bench Marks, Removing Incumbrances, Maintenance of Viaduct and Bridges".....	\$590,296 29
Preparing site for Lorelei Fountain.....	
On account "Restoring and Repaving" (Special Fund) Bronx.....	5,510 50
On account "Soldier Claims" (chapter 640, Laws 1900).....	1,912 00
On account "Street Improvement Fund" (assessment on property benefited).....	1,056,169 65
On account "Paving Jerome Avenue" (chapter 31, Laws 1897).....	1,622 00
On account "Construction of Rose Hill Place" (chapter 624, Laws 1895).....	988 85
On account "Repaving Roads, Streets, and Avenues" (chapter 149, Laws 1896, and chapter 378, Laws 1897).....	122,072 32
On account "Steel Beam Structure over New York and Harlem Railroad (Port Morris Branch), Brook Avenue and One Hundred and Fifty-seventh Street" (chapter 616, Laws 1896).....	1,567 50
On account "Bridge over New York and Harlem Railroad at One Hundred and Fifty-third Street" (chapter 650, Laws 1897).....	33,997 43
On account "Viaduct over New York and Harlem Railroad, connecting Melrose Avenue from One Hundred and Sixty-third to One Hundred and Sixty-fifth Street" (chapter 680, Laws 1897).....	59,569 92
Total.....	\$1,873,707 33

There are in the borough 33.6 miles of double track surface street railway, of which 4.65 was laid in 1900; 13.7 of single track surface street railway, exclusive of turnouts, of which 1 mile was laid in 1900.

Miles of Streets Paved during the Year and Total Mileage of Paved Streets in the Borough of The Bronx December 31, 1900.

	DURING QUARTER.	TOTAL MILEAGE.
With specification granite.....	.56	32.762
With square granite.....	.....	.....
With specification trap.....	.....	6.694
With Belgian.....	.....	.270
With sheet asphalt.....	3.373	12.664
With block asphalt.....	.....	.....
With wood.....	.....	.....
With macadam (by contract, new).....	.77	.....
With macadam (by maintenance, new).....	.45	90.91
With macadam (by remacadamizing).....	6.46	.....
With cobble.....	.....	.....
With gravel.....	.....	.....
With brick.....	.....	.....

SUMMARY OF STREET MILEAGE.

Total length of paved streets exclusive of macadam.....	53.495
Total length of paved streets with macadam.....	90.91
Total length of earth roadways.....	199.15
Grand total.....	343.525

I transmit herewith detailed reports of the Chief Engineer, Borough of The Bronx, Superintendent of Maintenance, Superintendent of Sub-surface Construction, and the Bookkeeper.

Respectfully,

JAS. H. MALONEY,

Deputy Commissioner of Highways, Borough of The Bronx.

JANUARY 15, 1901.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways:

DEAR SIR—Agreeably to your request, I beg to submit the following report of work done under the direction of this Bureau during the year 1900.

We commenced the year with twenty-four contracts, involving various classes of work, in force; during the year fifty-three new contracts were executed, while thirty-seven contracts were certified as completed. This left forty contracts in force on December 31, 1900.

The regulating and grading contracts, certified as completed during the year number nineteen (19), and represent 19.92 miles of thoroughfare opened to travel and building improvement, making a total of 160 miles in the Borough. Some of this mileage covered roads which were in use before, but not on proper lines and grades, which condition prevented the erection of buildings to a very large extent.

The paving contracts certified as complete during the year number seventeen (17), and represent a length of 3.033 miles; but of this amount 2.054 miles were repaving, so the net addition to the mileage was only 1.879 miles, making a total of pavement, other than macadam, in the borough, of 53.195 miles. There were also laid during the year 16,170 square yards of macadam pavement in connection with regulating and grading contracts.

The Melrose Viaduct connecting Melrose avenue with Webster avenue, between One Hundred and Sixty-third street and One Hundred and Sixty-fifth street, has reached an advanced stage, the masonry work having been all completed, and delivery and erection of the steel work having begun. From present indications this viaduct will be completed ready for traffic early in the spring of 1901.

The One Hundred and Fifty-third street viaduct, over the Melrose yards of the New York Central road, has advanced to such a degree that it is now ready for the delivery and erection of the steel superstructure. The company having the steel work in hand has not yet completed the shop drawings, but they are well advanced. I hope that the plans will be ready for approval shortly, when it will not be long until delivery of steel will commence.

The engineering force, though somewhat reduced on account of transfers to the new Rapid Transit work, has kept up fairly well with the work of the Bureau; the preliminary surveys with estimates of cost for work proposed under resolutions of the Local Board and work of a general character, the supervision and giving of lines, grades, etc., for works under contract, and the preparation of final certificates on such works, as well as the making of assessment lists of completed works, have received generally prompt and satisfactory attention.

During the year 52 reports of estimated cost and assessed value on resolutions of the Local Board have been made, and since January 1, 1898, a total of 167 of such reports have been made; 68 of these have become ordinances and are mostly either under contract or ready for letting.

It has taken a little longer than I expected to complete the survey and plan for the regulating, etc., of the Grand Boulevard and Concourse, on account of the fact that my force was somewhat reduced, and there was so much other work that interfered with continuous work on that matter to be taken care of. The survey is complete however and the plans are well advanced, so that the work will be ready for letting by April without doubt.

Good progress has been made with the standard bench marks and a very accurate and complete system has been completed in the territory west of the Bronx river, the various circuits run having closed with exceedingly small errors. One circuit of 10.19 miles having closed within .005 of a foot, and the average closing error of all the different circuits was .005 of a foot to the mile. This result speaks well for the character of the work.

On the contracts in force the following amounts have been certified for payment during the year:

Seventy per cent. payments.....	\$399,151 31
Eighty-five per cent. payments.....	53,672 19
Payments on acceptance.....	497,432 60
Payments on completion.....	123,665 71
Retained amount payments (on guarantee).....	12,791 03
Payments on special payments and Commissioner's orders.....	42,492 68

Total.....\$1,126,205 52

The total amount earned was.....\$1,225,816 94

The variation between the estimated and actual cost of the contracts completed this year is generally very small, as will be noticed by reference to the financial statement. The average variation is approximately 2 per cent., making the actual cost 2 per cent. more than the estimated cost.

A few photographs of items of interest in connection with the works under way and completed in the borough are transmitted herewith.

The following detailed and summarized statements give a full idea of the work accomplished in the borough during the year.

Longwood avenue, from Tiffany street to Southern Boulevard, regulating, grading, etc.—

5,750 cubic yards filling.
2,100 linear feet new curbstone.
6,600 square feet new flagging.
1,400 square feet new bridgestone.
In progress.

Tiffany street, from Intervale avenue to East river, regulating, grading, etc.—

385.2 cubic yards earth excavation.
1,490.4 cubic yards rock excavation.
17,707 cubic yards filling.
99.6 cubic yards dry rubble masonry.
15,352.7 linear feet new curbstone.
59,248 square feet new flagging.
9,842.8 square feet new bridgestone.
3,217.8 feet (B. M.) lumber.
6,050.1 linear feet new fence.
689 linear feet piles.
Completed.

Westchester avenue, from Southern Boulevard to Bronx river, regulating grading, etc.

13,950 cubic yards filling.
280 cubic yards dry rubble masonry.
820 cubic yards rock excavation.
3,500 linear feet, new curbstone.
13,000 square feet new flagging.
5,000 square feet new bridgestone.
In progress.

Fordham road, from Kingsbridge road to Harlem river, regulating, grading, etc.

12,750 cubic yards earth excavation.
3,320 cubic yards rock excavation.
18,500 cubic yards filling.
3,800 linear feet new curbstone.
14,500 square feet new flagging.
460 cubic yards dry rubble masonry.
3,200 square feet new bridgestone.
180 linear feet vitrified pipe.
In progress.

Morris avenue, from New York and Harlem Railroad to Concourse, regulating, grading, etc.—

980 cubic yards earth excavation.
37,570 cubic yards filling.
115 linear feet old curbstone.
660 square feet new flagging.
540 square feet new bridgestone.
In progress.

One Hundred and Fifty-first street, from Mott avenue to Exterior street, regulating, grading, etc.—

23.1 cubic yards earth excavation.
6.8 cubic yards rock excavation.
3,630.1 cubic yards filling.
514.4 linear feet new curbstone.
1,808.8 square feet new flagging.
44 square feet new bridgestone.
9.9 linear feet new fence.
36 linear feet vitrified pipe.
Completed.

Tremont avenue, from Jerome to Aqueduct avenue, regulating, grading, etc.—

No work done; in progress.

Mount Hope place, from Anthony to Jerome avenue, regulating, grading, etc.—

8,935 cubic yards earth excavation.
12,184 cubic yards filling.
2,191 cubic yards dry rubble masonry.
3,876 linear feet new curbstone.
14,568 square feet new flagging.
519 square feet old flagging.
2,785 square feet new bridgestone.
722 linear feet new fence.
200 cubic yards rock excavation.
Completed.

Sheridan avenue, from One Hundred and Fifty-third to One Hundred and Sixty-first street, regulating, grading, etc.—

8,300 cubic yards earth excavation.
82.6 cubic yards rock excavation.
19,740 cubic yards filling.
1,816 cubic yards dry rubble masonry.
3,630 linear feet new curbstone.
16,310 square feet new flagging.
1,170 square feet new bridgestone.
3,640 linear feet new fence.
Completed.

Kappock street, from Spuyten Duyvil parkway to Johnson avenue, regulating, grading, etc.—

361 cubic yards earth excavation.
134.2 cubic yards rock excavation.
69.8 cubic yards filling.
2,344 square feet new flagging.
2,232 square feet new bridgestone.
502 linear feet new curbstone.
638 linear feet paved gutters.
166 cubic yards dry rubble masonry.
Completed.

Inwood avenue, from Crownwell avenue to Featherbed lane, regulating, grading, etc.—

850 cubic yards earth excavation.
40,000 cubic yards filling.
6,500 cubic yards dry rubble masonry.
200 linear feet vitrified pipe.
6,000 linear feet new curbstone.
25,000 square feet new flagging.
3,000 square feet new bridgestone.
In progress.

Aqueduct avenue, from Lind avenue to Kingsbridge road, regulating, grading, etc.—

800 cubic yards earth excavation.
2,700 cubic yards rock excavation.
88,000 cubic yards filling.
10,450 linear feet new curbstone.
40,800 square feet new flagging.
2,080 cubic yards dry rubble masonry.
4,400 linear feet paved gutters.
750 square feet new bridgestone.
37 cubic yards rubble masonry in mortar.
In progress.

Trinity avenue, from Westchester avenue to One Hundred and Sixty-first street, regulating, grading, etc.—

423.3 cubic yards earth excavation.
1,770.5 cubic yards rock excavation.
3,591.6 cubic yards filling.
11,185.8 square feet new flagging.
88.1 square feet new bridgestone.
766.9 linear feet new curbstone.
Completed.

Prospect avenue, from Westchester avenue to Crotona Park, South, regulating, grading, etc.—

884.6 cubic yards earth excavation.
56.8 cubic yards rock excavation.
66.5 cubic yards filling.
3.4 cubic yards dry rubble masonry.
6,390.5 square feet new flagging.
2,152.9 square feet new bridgestone.
Completed.

Southern Boulevard, from One Hundred and Thirty-eighth street to Hunt's Point road, regulating, grading, etc.—

1,400 cubic yards earth excavation.
500 cubic yards rock excavation.
22,420 cubic yards filling.
13,900 linear feet new curbstone.
51,000 square feet new flagging.
4,040 square feet new bridgestone.
In progress.

Rose street, from Bergen avenue to Brook avenue, regulating, grading, etc.—

314.2 cubic yards earth excavation.
223.6 cubic yards filling.
29 cubic yards dry rubble masonry.
529.5 linear feet new curbstone.
2,059.6 square feet new flagging.
92.4 square feet new bridgestone.
Completed.

Two Hundred and Sixty-first street, from Broadway to Riverdale avenue, regulating, grading, etc.—

250 cubic yards earth excavation.
250 cubic yards filling.
In progress.

Robbins avenue, from Southern Boulevard to St. Mary's Park, regulating, grading, etc.—

65.6 cubic yards earth excavation.
3,340.9 cubic yards rock excavation.
1,516 cubic yards filling.
3,020 linear feet new curbstone.
11,685 square feet new flagging.
22,282.3 square feet new bridgestone.
Completed.

One Hundred and Fifty-first street, from Robbins avenue to Beach avenue, regulating, grading, etc.—
65.3 cubic yards earth excavation.
2,271.3 cubic yards filling.
1,301.7 linear feet new curbstone.
5,381.4 square feet new flagging.
400 square feet new bridgestone.
Completed.

Private Permit—Concord, Wales and St. Mary's streets, regulating, grading—
2,000 cubic yards filling.

River avenue, from East One Hundred and Forty-ninth street to Jerome avenue, regulating, grading, etc.—
263.6 cubic yards earth excavation.
204.5 cubic yards rock excavation.
15,863.6 cubic yards filling.
113.1 cubic yards dry rubble masonry.
11,001 linear feet new curbstone.
48,167 square feet new flagging.
6,066.4 square feet new bridgestone.
474 feet (board measure) lumber.
Completed.

One Hundred and Eighty-third street, from Arthur avenue to Southern Boulevard, regulating, grading, etc.—
2,944.9 cubic yards earth excavation.
1,097.3 cubic yards rock excavation.
17,824.7 cubic yards filling.
431.1 cubic yards dry rubble masonry.
4,076.1 linear feet new curbstone.
14,686.2 square feet new flagging.
2,561.3 square feet new bridgestone.
Completed.

Boone street, from Freeman street to Woodruff street, regulating and grading—
7,400 cubic yards earth excavation.
7,200 cubic yards rock excavation.
26,000 cubic yards filling.
300 cubic yards dry rubble masonry.
4,600 linear feet new curbstone.
7,600 square feet new flagging.
832 square feet new bridgestone.
In progress.

Washington avenue, from Third avenue, at One Hundred and Fifty-ninth street, to Pelham avenue, regulating, grading, etc.—
16,000 cubic yards earth excavation.
18,000 cubic yards filling.
2,700 cubic yards rock excavation.
3,500 linear feet new curbstone.
485 cubic yards dry rubble masonry.
9,700 square feet new flagging.
In progress.

One Hundred and Seventy-sixth street, from Tremont avenue to Jerome avenue, regulating, grading, etc.—
9,900 cubic yards earth excavation.
1,100 cubic yards rock excavation.
10,800 cubic yards filling.
370 cubic yards dry rubble masonry.
4698.1 linear feet new curbstone.
18,199 square feet new flagging.
278.4 square feet old flagging.
3,871.6 square feet new bridgestone.
8,670 square yards macadam pavement.
125 trees.
In progress.

Topping avenue from One Hundred and Seventy-sixth street to Claremont park, regulating, grading, etc.—
4,776 cubic yards earth excavation.
1,402 cubic yards rock excavation.
3,546 cubic yards filling.
207 cubic yards dry rubble masonry.
3,456 linear feet new curbstone.
13,532 square feet new flagging.
1,440 square feet new bridgestone.
Completed.

One Hundred and Eighty-ninth street, from Webster avenue to Third avenue, regulating, grading, etc.—
3,000 cubic yards filling.
160 cubic yards earth excavation.
1,191 cubic yards dry rubble masonry.
In progress.

Bainbridge avenue, from Kingsbridge road to Southern Boulevard, regulating, grading, etc.—
5,500 cubic yards earth excavation.
2,100 cubic yards rock excavation.
18,000 cubic yards filling.
1,320 cubic yards dry rubble masonry.
6,400 linear feet new curbstone.
25,460 square feet new flagging.
1,200 square feet new bridgestone.
In progress.

Hughes avenue, from Tremont avenue to Fordham College, regulating, grading, etc.—
2,000 cubic yards earth excavation.
3,030 cubic yards rock excavation.
19,540 cubic yards filling.
775 cubic yards dry rubble masonry.
In progress.

Cumbring avenue, from One Hundred and Eighty-seventh street to St. John's College, regulating, grading, etc.—
40 cubic yards earth excavation.
5,500 cubic yards filling.
160 cubic yards dry rubble masonry.
In progress.

St. Paul's place, from Webster avenue to Fulton avenue, regulating, grading, etc.—
3,700 cubic yards earth excavation.
5,200 cubic yards rock excavation.
1,000 cubic yards filling.
In progress.

One Hundred and Eightieth street, from Third avenue to Bronx river, regulating, grading, etc.—
5,000 cubic yards earth excavation.
11,600 cubic yards rock excavation.
26,100 cubic yards filling.
410 cubic yards dry rubble masonry.
6,000 linear feet new curbstone.
22,000 square feet new flagging.
1,900 square feet new bridgestone.
7,500 square yards macadam pavement.
In progress.

Chisholm street, from Stebbins avenue to Jennings street, paving—
1,527.9 linear feet old curbstone redressed and reset.
2,526.1 square feet granite-block pavement.
Completed.

Kingsbridge road, from Webster avenue to Harlem river, regulating, grading, etc.—
16,300 cubic yards earth excavation.
5,140 cubic yards rock excavation.
19,300 cubic yards filling.
2,750 cubic yards dry rubble masonry.
450 linear feet new curbstone.
1,140 square feet new flagging.
140 linear feet vitrified pipe.
In progress.

Gen Hill road, from Jerome avenue to Bronx river, regulating, grading, etc.—
23,500 cubic yards earth excavation.
1,080 cubic yards rock excavation.
22,000 cubic yards filling.
5,100 cubic yards dry rubble masonry.
103 cubic yards rubble masonry in mortar.
352 linear feet vitrified pipe in concrete.
378 linear feet vitrified pipe.
660 linear feet brick drain, 2 feet 6 inches, 3 feet, 2 feet 9 inches, 3 feet 3 inches.
5,760 linear feet new curbstone.
18,000 square feet new flagging.
2,000 square feet new bridgestone.
5 manholes complete.
500 linear feet new fence.
3,000 feet (B. M.) lumber.
In progress.

One Hundred and Eighty-second street, from Jerome avenue to Aqueduct avenue, regulating and grading, etc.—
4,300 cubic yards earth excavation.
4,300 cubic yards rock excavation.
2,000 cubic yards filling.
45 cubic yards dry rubble masonry.
600 linear feet new curbstone.
2,400 square feet new flagging.
100 square feet new bridgestone.
In progress.

Two Hundred and Thirty-third street, from Jerome avenue to Bronx river, regulating, grading, etc.—
1,791 cubic yards earth excavation.
2,855 cubic yards rock excavation.
6,873 cubic yards filling.
115 cubic yards dry rubble masonry.
34,148 square feet new flagging.
3,130 square feet new bridgestone.
8,405 linear feet new curbstone.
96 linear feet vitrified pipe.
1,780 linear feet new fence.
Completed.

Webster avenue, from Moshulu Parkway to City line, regulating, grading, etc.—
3,935 cubic yards earth excavation.
2,332 cubic yards rock excavation.
14,865 cubic yards filling.
8,228 linear feet new curbstone.
47,027 square feet new flagging.
7,764 square feet new bridgestone.
584 cubic yards dry rubble masonry.
2,540 cubic yards rubble masonry in mortar.
80 cubic yards broken range ashlar masonry.
222 linear feet vitrified pipe.
671 linear feet coping.
1.3 cubic yards brick masonry.
Completed.

Woodlawn road, from Jerome avenue to Bronx river, regulating, grading, etc.—
19,800 cubic yards earth excavation.
9,500 cubic yards rock excavation.
31,700 cubic yards filling.
3,113 cubic yards dry rubble masonry.
500 linear feet new fence.
In progress.

Napier avenue, from Two Hundred and Thirty-third street to Mount Vernon avenue, etc., etc., regulating, grading, etc.—
2,442 cubic yards earth excavation.
2,830 cubic yards rock excavation (above grade).
500 cubic yards rock excavation (below grade).
17,036 cubic yards filling.
8,788 linear feet new curbstone.
60,808 square feet new flagging.
5,726 square feet new bridgestone.
200 cubic yards dry rubble masonry.
37 cubic yards rubble masonry in mortar.
35.6 linear feet brick drain, 2 feet 6 inches, 3 feet 3 inches.
218 linear feet vitrified pipe.
4 manholes complete.
5 receiving-basins.
9,505 linear feet paved gutters.
10,399 linear feet new fence.
1,784 feet (B. M.) lumber.
Completed.

Valentine avenue, from Burnside avenue to One Hundred and Ninety-second street, regulating, grading, etc.—
1,026.9 cubic yards earth excavation.
297.2 cubic yards rock excavation.
3,653 cubic yards filling.
109.1 cubic yards dry rubble masonry.
411.7 linear feet new curbstone.
1,030.4 square feet new flagging.
944 square feet new bridgestone.
Completed.

Broadway, from Boston road to Southern Boulevard, regulating, grading, etc.—
2,651.5 cubic yards earth excavation.
4,328.1 cubic yards rock excavation.
7,978.3 cubic yards filling.
61.6 cubic yards dry rubble masonry.
40,364.8 square feet new flagging.
3,229.6 square feet new bridgestone.
9,766.8 linear feet new curbstone.
36 linear feet vitrified pipe.
1,836 feet (B. M.) lumber.
Completed.

Arthur avenue, from Tremont avenue to Pelham avenue, regulating, grading, etc.—
328.8 cubic yards earth excavation.
25.8 cubic yards rock excavation.
3,291.2 cubic yards filling.
32.4 cubic yards dry rubble masonry.
330.2 linear feet new curbstone.
816 square feet new flagging.
1,255.6 square feet new bridgestone.
1,225.5 feet (B. M.) lumber.
10 linear feet vitrified pipe.
Completed.

Anthony avenue, from Clay avenue to Concourse, regulating, grading, etc.—
1,286.7 cubic yards earth excavation.
1,750 cubic yards filling.
2,926 cubic yards rock excavation.
11.7 cubic yards dry rubble masonry.
8,402 square feet new flagging.
644 square feet new bridgestone.
381.6 linear feet new curbstone.
18.6 linear feet paved gutters.
1,123.9 linear feet new fence.
Completed.

One Hundred and Eighty-seventh street, Park avenue to Southern Boulevard, regulating, grading, etc.—
1,000 cubic yards earth excavation.
25 cubic yards rock excavation.
10,000 cubic yards filling.
190 cubic yards dry rubble masonry.
13,900 square feet new flagging.
1,600 square feet new bridgestone.
2,900 linear feet new curbstone.
In progress.

One Hundred and Ninety-seventh street, from Webster avenue to Bainbridge avenue, regulating, grading, etc.—
450 cubic yards earth excavation.
450 cubic yards rock excavation.
2,000 cubic yards filling.
825 linear feet new curbstone.
2,400 square feet new flagging.
20 cubic yards dry rubble masonry.
In progress.

Lafayette avenue, from Longwood avenue to Bronx river, regulating, grading, etc.—
6,800 cubic yards earth excavation.
2,050 cubic yards rock excavation.
8,900 cubic yards filling.
In progress.

One Hundred and Sixty-seventh street, from Prospect avenue to Southern Boulevard, paving—
2,100 linear feet old curbstone reset.
4,500 square yards granite-block pavement.
In progress.

Ritter place, from Union avenue to Prospect avenue, regulating, grading, etc.—
1,800 cubic yards earth excavation.
100 cubic yards rock excavation.
In progress.

One Hundred and Seventieth street, from Webster avenue to Franklin avenue, asphalt paving—
1,808.8 square yards asphalt pavement.
2,294.9 square yards old pavement relaid.
Completed.

Brook avenue, from Third avenue to Webster avenue, asphalt—
1,642.8 square yards asphalt pavement.
2,464.2 square yards old granite pavement relaid.
Completed.

One Hundred and Sixty-second street, from Third avenue to Harlem Railroad, repaving asphalt, etc.—
2,623.4 linear feet new curbstone.
420.7 linear feet old curbstone recut and reset.
5,977.42 square yards asphalt pavement.
6,264.2 square yards granite-block pavement relaid.
Completed.

St. Ann's avenue, from One Hundred and Forty-seventh to One Hundred and Forty-eighth street, asphalt—
453.6 linear feet new curbstone.
122.3 linear feet old curbstone.
1,505.5 square yards asphalt pavement.
1,549.3 square yards granite-block pavement relaid.
Completed.

Brook avenue, from One Hundred and Forty-third to One Hundred and Forty-fourth street, asphalt—
429 linear feet new curbstone.
74.7 linear feet old curbstone recut and reset.
1,543.9 square yards asphalt pavement.
1,629.2 square yards granite-block pavement relaid.
Completed.

One Hundred and Thirty-seventh street, from Alexander avenue to Brown place, asphalt—
2,800.7 linear feet new curbstone.
206.4 linear feet old curbstone recut and reset.
4,045.9 square yards asphalt pavement.
4,975.9 square yards trap-block pavement relaid.
Completed.

One Hundred and Sixty-sixth street, from Third to Park avenue, asphalt—
1,425.9 linear feet new curbstone.
312.3 linear feet old curbstone recut and reset.
2,419.7 square yards asphalt pavement.
2,416.2 square yards trap-rock pavement relaid.
Completed.

One Hundred and Eighty-sixth street, from Third avenue to Park avenue, regulating, grading, etc.—
1,500 cubic yards filling.
130 cubic yards dry rubble masonry.
440 linear feet new curbstone.
In progress.

One Hundred and Sixty-fifth street, from Boston road to Union avenue, asphalt—
2,762.1 linear feet new curbstone.
405.1 linear feet old curbstone recut and reset.
4,678.82 square yards asphalt pavement.
4,670 square yards trap-block pavement relaid.
Completed.

Mott avenue, from One Hundred and Thirty-eighth to One Hundred and Sixty-first street, asphalt—
9,864.88 linear feet new curbstone.
27,154.92 square yards asphalt pavement.
4,620.97 square yards concrete.
Completed.

One Hundred and Forty-seventh street, from Third to St. Ann's avenue, asphalt—
2,870.7 linear feet new curbstone.
222.2 linear feet old curbstone recut and reset.
5,604.3 square yards asphalt pavement.
5,810.1 square yards trap-block pavement relaid.
Completed.

Jennings street, from Stebbins to Union avenue, paving—
2,444.3 linear feet old curbstone.
4,408.3 square yards granite-block pavement.
Completed.

Caldwell avenue, from One Hundred and Sixty-first street to Boston road, asphalt—
3,331.34 linear feet old curbstone reset and recut.
6,147.17 square yards asphalt pavement.
1,050.4 square yards concrete.
In progress.

One Hundred and Fifty-seventh street, from Melrose to Courtlandt avenue, asphalt—
831.6 linear feet new curbstone.
105.8 linear feet old curbstone recut and reset.
1,235.1 square yards asphalt pavement.
1,247.1 square yards granite-block pavement relaid.
Completed.

One Hundred and Fifty-fourth street, from Elton to Melrose avenue, asphalt—
820.2 linear feet new curbstone.
73.2 linear feet old curbstone recut and reset.
1,168 square yards asphalt pavement.
1,197.5 square yards trap-block pavement relaid.
Completed.

One Hundred and Sixty-fifth street, from Third to Park avenue, asphalt—
2,000 linear feet old curbstone recut and reset.
In progress.

One Hundred and Thirty-eighth street, from Alexander to Willis avenue, asphalt—
No work done; in progress.

Eagle avenue, from One Hundred and Sixty-first to One Hundred and Sixty-third street, asphalt—
No work done; in progress.

One Hundred and Fifty-third street, from Elton to Melrose avenue, asphalt—
No work done; in progress.

One Hundred and Fiftieth street, from Melrose to Courtlandt avenue, asphalt—
713.9 linear feet new curbstone.
230.1 linear feet old curbstone recut and reset.
1,258.7 square yards asphalt pavement.
1,258.7 square yards granite-block pavement relaid.
Completed.

Park avenue, from One Hundred and Sixty-second street to Webster avenue, asphalt—
1,674 square yards asphalt pavement.
1,342.4 square yards granite-block pavement relaid.

St. Ann's avenue, from One Hundred and Thirty-eighth to One Hundred and Forty-fourth street, asphalt—
1,996.3 linear feet new curbstone.
1,126.5 linear feet old curbstone recut and reset.
8,143.3 square yards asphalt pavement.
8,108.3 square yards granite-block pavement relaid.
Completed.

College avenue, from One Hundred and Forty-sixth to One Hundred and Forty-eighth street, asphalt paving—
No work done; in progress.

One Hundred and Fifty-third Street Viaduct—
3,400 cubic yards earth excavation.
50 cubic yards rock excavation.
125 cubic yards dry rubble masonry.
600 cubic yards foundation concrete.
5,000 cubic yards filling.
1,230 cubic yards first-class masonry for abutments.
2,600 cubic yards second class masonry for west approach.
580 cubic yards foundation masonry.
290 cubic yards eight-axed work.
2,280 cubic feet capstones.
3,750 linear feet piles.
450 linear feet coping.
480 linear feet wooden fence.
750 cubic feet six-axed work.

Melrose Avenue Viaduct—
1,425 cubic yards foundation.
490 cubic yards concrete.
915 cubic yards first-class masonry.
980 cubic yards second-class masonry.
190 cubic yards third-class masonry.
3,680 cubic yards borrowed fill.
69 cubic yards brick masonry.
15 cubic yards masonry, north and south abutment.
220 cubic yards masonry for retaining-walls.
40 cubic yards masonry for retaining-wall, main line railroad tracks.
80 cubic yards brick arching.
140 cubic yards paving concrete.
500 cubic feet coping.
2,520 cubic feet back walls.
375 cubic feet granite centre wall.
880 cubic feet abutment coping.
150 cubic feet coping for retaining-wall.
385 cubic feet limestone coping.
1,760 cubic feet masonry for parapet wall.
1,110 cubic feet granite coping for retaining-wall.
240 cubic feet coping for parapet wall.
850 cubic feet stone newels above pedestals.
900 cubic feet capstones for pedestal piers.
210,000 pounds steel beams and girders.
In progress.

SUMMARIZED STATEMENT OF WORK DONE DURING THE YEAR 1900.

186,410.3 cubic yards earth excavation.	695.6 linear feet brick drain.
88,445 cubic yards rock excavation.	25,864.9 linear feet new fence.
629,720.4 cubic yards filling.	210,000 pounds iron and steel.
31,849.7 cubic yards dry rubble masonry.	9 manholes.
2,717 cubic yards rubble masonry in mortar.	80 cubic yards broken range ashlar masonry.
2,835 cubic yards first-class masonry.	671 linear feet bluestone coping.
3,800 cubic yards second-class masonry.	5 receiving-basins.
903 cubic yards third-class masonry.	4,339 linear feet piles.
150.3 cubic yards brick arching.	125 trees in place.
7,901 cubic yards concrete.	11,516.5 feet, board measure, lumber.
16,170 square yards macadam pavement.	30 assessment lists completed.
76,308.4 square yards asphalt pavement.	32 records completed.
11,434.4 square yards granite-block pavement.	65 plans completed.
45,337 square yards old granite-block pavement relaid.	140 tracings completed.
672,521.7 square feet new flagging.	67 field books completed.
797.4 square feet old flagging.	135 preliminary surveys.
81,250 square feet new bridgestone.	188 seventy per cent. payments.
187,819.3 linear feet new curbstone.	31 payments on acceptance.
14,917.9 linear feet old curbstone.	46 final payments and retained amounts.
14,526.4 linear feet paved gutters.	39 contracts completed.
1,868 linear feet vitrified pipe.	54 scows measured.

Contracts in Force January 1, 1901.

Regulating and grading.....	22
Viaducts or bridges.....	2
	<hr/> 24

Contracts Executed during the Year 1900.

Regulating and grading.....	25
Regulating and paving.....	24
Miscellaneous (C. O.).....	4
	<hr/> 53

Contracts Completed during the Year 1900.

Regulating and grading.....	10
Regulating and paving.....	17
Miscellaneous.....	1
	<hr/> 37

Contracts Still in Force December 31, 1900.

Regulating and grading.....	28
Regulating and paving.....	7
Viaducts or bridges.....	2
Miscellaneous (C. O.).....	3
	<hr/> 40

Total Length of Streets Regulated and Graded—Certified during the Year 1900, not Including Streets Partially Completed.

	Linear feet.
Regulating, etc., Arthur avenue, from Tremont to Pelham avenues.....	4,889.4
Regulating, etc., Prospect avenue, from Westchester avenue to Crotona Park, South.....	5,104
Regulating, etc., Sheridan avenue, from One Hundred and Fifty-third to One Hundred and Sixty-first street.....	2,167.76
Regulating, etc., Robbins avenue, from Southern Boulevard to St. Mary's Park....	1,579
Regulating, etc., Broadway (Crotona avenue), Boston road to Southern Boulevard..	10,586
Regulating, etc., One Hundred and Fifty-first street, from Robbins to Beach avenue.....	660
Regulating, etc., Anthony avenue, from Clay avenue to Concourse.....	4,702
Regulating, etc., River avenue, from One Hundred and Forty-ninth street to Jerome avenue.....	6,887.6
Regulating, etc., Topping avenue, One Hundred and Seventy-sixth street to Claremont Park.....	1,734
Regulating, etc., Webster avenue, from Moshulu parkway to city line.....	13,443.18

* Includes special contract for fencing lots on southeast corner One Hundred and Thirty-fourth street and St. Ann's avenue.

† Special contract for fencing lots on southeast corner One Hundred and Thirty-fourth street and St. Ann's avenue.

Regulating, etc., Trinity avenue, from Westchester avenue to One Hundred and Sixty-first street.	Linear feet.
Regulating, etc., Mt. Hope place, from Anthony to Jerome avenue.	1,985
Regulating, etc., Napier avenue, from Two Hundred and Thirty-third street to Mt. Vernon avenue, etc.	2,068.45
Regulating, etc., Kappock street, from Spuyten Duyvil parkway to Johnson avenue.	30,304
Regulating, etc., One Hundred and Eighty-third street, from Arthur avenue to Southern Boulevard.	1,046
Regulating, etc., Rose street, from Bergen to Brook avenue.	2,013.5
Regulating, etc., Two Hundred and Thirty-third street, from Jerome avenue to Bronx river.	250
Regulating, etc., Tiffany street, from Intervale avenue to East river.	4,571
Regulating, etc., One Hundred and Fifty-first street, from Mott avenue to Exterior street.	8,105.3
	2,489.2
	105,195.39

Miles..... 19.92

PAYING—1900.

Work Done Under Contract, etc., Year ending December 31, 1900.

TITLE OF WORK.	KIND.	LAIN.		
		Yards.	Linear Feet.	Miles.
Chisholm street, Jennings street to Stebbins avenue.	Granite	4,396.1	731.2	
Jennings street, Union to Stebbins avenue.	"	4,458.2	730.1	
One Hundred and Sixty-seventh street, Prospect avenue to Southern Boulevard.	"	4,500.0	760.0	
Park avenue, One Hundred and Sixty-second to One Hundred and Sixty-fifth street (strips).	Asphalt, G.	4,768.0	Strips	
St. Ann's avenue, One Hundred and Thirty-eighth to One Hundred and Forty-fourth street.	" G.	5,113.7	841.1	
One Hundred and Fiftieth street, Melrose to Courtlandt avenue.	" T.	1,136.7	476.0	
One Hundred and Seventieth street, Webster to Franklin avenue (strips).	" G.	2,368.8	Strips	
Brook avenue, Third to Webster avenue (strips).	" G.	1,618.8	Strips	
One Hundred and Sixty-sixth street, Third to Park avenue.	" T.	9,479.7	874.6	
One Hundred and Sixty-fifth street, Boston road to Mott avenue.	" T.	4,678.4	1,647.3	
Mott avenue, One Hundred and Thirty-eighth to One Hundred and Forty-first street.	" G.	47,754.0	5,219.7	
One Hundred and Forty-seventh street, Third to St. Ann's avenue.	" T.	5,604.3	1,236.6	
One Hundred and Sixty-second street, Third avenue to Harlem Railroad.	" G.	5,917.5	1,020.2	
St. Ann's avenue, One Hundred and Forty-seventh to One Hundred and Forty-eighth street.	" G.	8,525.5	108.4	
Brook avenue, One Hundred and Forty-third to One Hundred and Forty-fourth street.	" G.	5,243.0	109.0	
One Hundred and Thirty-seventh street, Alexander avenue to Brown place.	" T.	4,945.9	1,408.1	
Cauldwell avenue, One Hundred and Sixty-first street to Boston road.	" C.	6,147.2	1,791.3	
One Hundred and Fifty-seventh street, Melrose to Courtlandt avenue.	" G.	1,235.1	452.2	
One Hundred and Fifty-fourth street, Elton to Melrose avenue.	" T.	1,156.0	431.0	
One Hundred and Sixty-fifth street, Third to Park avenue.	"			
One Hundred and Sixty-sixth street, Third to Park avenue.	"			
College avenue, One Hundred and Forty-sixth to One Hundred and Forty-eighth street.	"			
One Hundred and Forty-eighth street, Elton to Melrose avenue.	"			
Add to trap-block pavement.				
Deduct from trap-block pavement.		20,075.4	6,479.3	1.272
Add to granite pavement.		11,114.4	2,937.3	0.56
Deduct from granite pavement.		26,930.6	4,757.7	0.877
Add to asphalt pavement.		74,243.0	17,809.2	3.373
Add to brick pavement.				

a Strips taken up, 1,200.3 square yards. b Strips taken up, 274.5 square yards.

c Repairs to be made—Final estimate not returned. d Contract in force—no work done.

Macadam laid..... 7,500 square yards.

Telford macadam..... 8,570 "

NOTE.—Asphalt strips are included in the yardage of asphalt, but no length has been allowed in mileage.

SQUARE YARDS OF PAVEMENT LAID AND RELAI D AND NET INCREASE OR DECREASE FROM 1893.

Trap-Block.

YEARS.	LAID ON JANUARY 1.	LAID DURING YEAR.	REPAVED.	INCREASE.	DECREASE.	REMARKS.
1894.....	317,621.2	15,821.7	66,651.2	.....	26,826.5	Third avenue, relaid with granite.
1895.....	266,799.7	5,594.5	22,600.0	.....	18,407.5	Willis avenue, relaid with asphalt.
1896.....	246,300.2	10,876.3	9,301.5	16,574.8	.....	Melrose avenue, intersection relaid with granite.
1897.....	235,877.0	.....	75,097.9	.....	75,097.9	Asphalt on block pavement.
1898.....	181,779.1	1,821.0	48,035.0	.....	16,314.2	"
1899.....	165,564.0	.....	6,819.7	.....	6,819.7	"
1900.....	158,715.2	.....	99,075.4	.....	20,075.4	One Hundred and Fortieth street, asphalt.
1901.....	138,639.6	.....	.....	.....	.....	One Hundred and Fiftieth, One Hundred and Sixty-fifth, One Hundred and Sixty-sixth, One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets.

Granite Block.

YEARS.	LAID ON JANUARY 1.	LAID DURING YEAR.	REPAVED.	INCREASE.	DECREASE.	REMARKS.
1894.....	211,647.7	224,170.0	.....	224,170.0	.....
1895.....	357,817.9	207,805.2	.....	107,805.2	.....
1896.....	455,693.1	172,075.0	712.0	171,363.0	.....	Melrose avenue, intersection relaid on concrete.
1897.....	625,986.1	135,199.1	47,568.1	88,391.0	.....	Asphalt on blocks and bicycle strips.
1898.....	785,377.1	26,707.4	6,461.6	34,215.8	.....
1899.....	759,897.9	7,947.0	.....	8,947.0	.....	Home street, One Hundred and Thirty-eighth street (temporary).
1900.....	768,539.9	11,434.4	26,930.9	.....	11,496.5	Chisholm, Jennings and One Hundred and Sixty-seventh streets.
1901.....	785,041.4	.....	.....	.....	.....

Asphalt.

YEARS.	LAID ON JANUARY 1.	LAID DURING YEAR.	REPAVED.	INCREASE.	DECREASE.	REMARKS.
1896.....	22,860.0	4,430.5	.....	2,439.1	.....
1897.....	24,430.5	128,787.1	.....	128,257.2	.....
1898.....	158,717.6	37,906.6	.....	57,000.0	.....
1899.....	209,944.9	17,210.8	.....	17,210.8	.....
1900.....	227,131.0	76,368.4	1,764.6	74,543.6	.....	14 Repairing and Assessment
1901.....	301,678.6	.....	.....	.....	.....	St. Ann's avenue strips.

Brick.

YEARS.	LAID ON JANUARY 1.	LAID DURING YEAR.	REPAVED.	INCREASE.	DECREASE.	REMARKS.
1896.....	2,120.1	13,750.0	.....	13,750.0	.....	1,122.7 Yards, Fordham square.
1897.....	14,875.7	9,678.9	.....	9,678.9	.....
1898.....	48,631.6	10,273.0	.....	10,273.0	.....
1899.....	34,824.6	.....	.....	.....	.....
1900.....	34,824.6	.....	.....	.....	.....
1901.....	34,824.6	.....	.....	.....	.....

PAVEMENT CONTRACTED FOR AND LAID EACH YEAR, AND TOTAL EXTENT OF PAVED STREETS AT END OF YEAR IN BOROUGH OF THE BRONX.

YEARS.	TRAP-BLOCK.		GRANITE.		ASPHALT.		BRICK.		TOTAL PAVED.	
	Square Yards.	Miles.	Square Yards.	Miles.	Square Yards.	Miles.	Square Yards.	Miles.	Miles Each Year.	Miles at End of Year.
Prior to 1874.....	29,120.0	1.00	.....	.....	.....	.....	.....	.....	1.00	1.00
1874.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.00
1875.....	14,782.0	0.40	.....	.....	.....	.....	.....	.....	0.40	1.40
1876.....	45,260.0	1.04	.....	.....	.....	.....	.....	.....	1.04	2.44
1877.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1878.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1879.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1880.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1881.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1882.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.44
1883.....	18,017.0	0.48	.....	.....	.....	.....	.....	.....	0.48	2.92
1884.....	25,105.0	0.69	.....	.....	.....	.....	.....	.....	0.69	3.61
1885.....	20,426.3	0.56	.....	.....	.....	.....	.....	.....	0.56	4.17
1886.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.17
1887.....	4,373.0	0.12	.....	.....	.....	.....	.....	.....	0.12	4.29
1888.....	14,385.0	0.40	10,575.0	0.27	.....	.....	.....	.....	0.67	4.96
1889.....	15,993.0	0.43	10,820.0	0.29	.....	.....	.....	.....	0.72	5.68
1890.....	41,629.4	0.93	8,810.0	0.20	.....	.....	.....	.....	1.13	6.81
1891.....	35,115.0	0.85	64,576.0	1.44	.....	.....	.....	.....	2.29	9.10
1892.....	27,417.7	0.74	61,694.3	1.37	.....	.....	.....	.....	2.53	11.63
1893.....	37,040.9	0.99	51,298.9	1.12	.....	.....	.....	.....	2.11	13.74
1894.....	13,822.7	0.39	124,770.2	2.53	.....	.....	.....	.....	0.41	14.15
1895.....	5,302.3	0.15	107,805.4	2.23	20,000.0	0.45	.....	.....	0.60	14.75
1896.....	14,176.0	0.40	122,075.0	2.57	24,430.5	0.54	13,750.0	0.37	0.91	15.66
1897.....	.....	.....	135,959.1	2.89	128,257.1	2.85	9,678.9	0.26	6.05	16.71
1898.....	1,821.0	0.05	34,215.8	0.84	57,000.0	1.25	10,273.0	0.28	4.37	21.08
1899.....	.....	.....	6,917.0	0.19	17,210.8	0.40	.....	.....	1.07	22.15
1900.....	.....	.....	11,434.4	0.31	74,543.6	1.64	.....	.....	1.91	24.06

Total Mileage of Each Kind December 31, 1900.

Trap-block.....	6,694 miles.
Granite.....	32,762 "
Asphalt.....	12,664 "
Brick.....	1,075 "
	53,195 "

Contracts Completed during the Year 1900.

NAMES OF CONTRACTS.	ACTUAL COST.
Regulating, grading, etc., River avenue, from One Hundred and Forty-ninth street to Jerome avenue.	\$75,075.56
Regulating, grading, etc., Trinity avenue, from Westchester avenue to One Hundred and Sixty-first street.	30,225.18
Regulating, grading, etc., Napier avenue, from Two Hundred and Thirty-third street to Mount Vernon avenue, etc., etc.	295,409.38
Regulating, grading, etc., Sheridan avenue, from One Hundred and Fifty-third street to One Hundred and Sixty-first street.	53,890.91
Completion of regulating, grading, etc., Webster avenue, from Moshulu parkway to city line.	94,318.31
Regulating, grading, etc., Mount Hope place, from Anthony avenue to Jerome avenue.	15,180.19
Regulating, grading, etc., One Hundred and Fifty-first street, from Robbins avenue to Beach avenue.	2,912.59
Regulating, grading, etc., Topping avenue, from East One Hundred and Seventy-sixth street to Claremont Park.	8,048.19
Regulating, grading, etc., East One Hundred and Eighty-third street, from Arthur avenue to Southern Boulevard.	16,449.85
Regulating, grading, etc., Rose street, from Bergen to Brook avenue.	855.64
Regulating, grading, etc., Prospect avenue, from Westchester avenue to Crotona Park, South.	37,574.24
Regulating, grading, etc., Anthony avenue, from Clay avenue to Concourse.	49,034.41
Regulating, grading, etc., Arthur avenue, from Tremont avenue to Pelham avenue.	38,396.70
Regulating, grading, etc., Robbins avenue, from Southern Boulevard to St. Mary's Park.	15,770.93
Regulating, grading, etc., Broadway (Crotona avenue), from Boston road to Southern Boulevard.	95,403.40
Regulating, grading, etc., Tiffany street, from Intervale avenue to East river.	125,445.66
Regulating, grading, etc., One Hundred and Fifty-first street, from Mott avenue to Exterior street.	20,622.62
Completion of regulating, grading, etc., Two Hundred and Thirty-third street, from Jerome avenue to Bronx river.	21,243.02
Regulating, grading, etc., Kappock street, from Spuyten Duyvil parkway to Johnson avenue.	21,243.23

NAMES OF CONTRACTS.	ACTUAL COST.	NAMES OF CONTRACTS.	ESTIMATED COST.
Repairing with asphalt One Hundred and Forty-seventh street, from Third to St. Ann's avenue.....	\$18,611 05	Regulating, grading, etc., Bainbridge avenue, from Southern Boulevard to Kingsbridge road.....	\$24,520 60
Repairing with asphalt St. Ann's avenue, from One Hundred and Forty-seventh to One Hundred and Forty-eighth street.....	4,720 37	Regulating, grading, etc., Rose street, from Bergen to Brook avenue.....	870 73
Repairing with asphalt St. Ann's avenue, from One Hundred and Thirty-eighth street to One Hundred and Forty-fourth street.....	31,043 94	Regulating, grading, etc., Hughes avenue, from Tremont avenue to Fordham College.....	51,688 33
Repairing with asphalt One Hundred and Fiftieth street, from Melrose avenue to Courtlandt avenue.....	4,997 21	Regulating, grading, etc., East One Hundred and Eightieth street, from Third avenue to Bronx river.....	76,267 00
Repairing with asphalt One Hundred and Sixty-second street, from Third to Courtlandt avenue, etc.....	20,866 88	Regulating, grading, etc., Boone street, from Freeman to Woodruff street.....	30,007 36
Repairing with asphalt One Hundred and Seventieth street, from Webster to Franklin avenue.....	5,890 33	Regulating, grading, etc., Washington avenue, from Third avenue at One Hundred and Fifty-ninth street to Pelham avenue.....	69,961 00
Repairing with asphalt Brook avenue, from One Hundred and Forty-third to One Hundred and Forty-fourth street.....	5,037 05	Regulating, grading, etc., Lafayette avenue, from Longwood avenue to Bronx river.....	45,472 50
Repairing with asphalt Brook avenue, from Third to Webster avenue.....	5,541 99	Regulating, grading, etc., One Hundred and Eighty-sixth street, from Third to Park avenue.....	3,960 60
Repairing with asphalt One Hundred and Sixty-fifth street, from Boston road to Union avenue.....	17,196 27	Regulating, grading, etc., One Hundred and Ninety-seventh street, from Bainbridge to Webster avenue.....	10,301 00
Repairing with asphalt Park avenue, from One Hundred and Sixty-second street to Webster avenue.....	3,375 00	Regulating, grading, etc., Ritter place, from Union to Prospect avenue.....	3,948 43
Repairing with asphalt One Hundred and Sixty-sixth street, from Third avenue to Park avenue.....	8,845 67	Regulating, grading, etc., Two Hundred and Sixty-first street, from Broadway to Riverdale avenue.....	16,672 50
Repairing with asphalt One Hundred and Thirty-seventh street, from Alexander avenue to Brown place.....	17,796 65	Regulating, grading, etc., Jessup place, from Boacobel to Marcher avenue.....	5,592 20
Repairing with asphalt One Hundred and Fifty-fourth street, from Elton to Melrose avenue.....	4,469 01	Paving One Hundred and Sixty-seventh street, from Prospect avenue to Southern Boulevard.....	14,232 50
Repairing with asphalt One Hundred and Fifty-seventh street, from Courtlandt to Melrose avenue.....	4,634 99	Paving Jennings street, from Union to Stebbins avenue.....	7,928 00
Paving Chisholm street, from Stebbins avenue to Jennings street.....	4,638 04	Paving Chisholm street, from Stebbins avenue to Jennings street.....	4,674 50
Paving Jennings street, from Union to Stebbins avenue.....	7,993 38	Repairing with asphalt One Hundred and Thirty-seventh street, from Alexander avenue to Brown place.....	17,795 50
Regulating, grading and paving with asphalt Mott avenue, from One Hundred and Thirty-eighth to One Hundred and Sixty-first street.....	88,573 65	Repairing with asphalt One Hundred and Sixty-sixth street, from Third avenue to Park avenue.....	16,310 50
Special Contract (C. O.)—Fencing lots, southeast corner One Hundred and Thirty-fourth street and St. Ann's avenue.....	167 40	Repairing with asphalt One Hundred and Sixty-fifth street, from Boston road to Union avenue.....	16,542 00
Total.....	\$1,263,764 32	Repairing with asphalt St. Ann's avenue, from One Hundred and Thirty-eighth to One Hundred and Forty-fourth street.....	15,994 00
Contracts Executed during the Year 1900.			
NAMES OF CONTRACTS.	ESTIMATED COST.	NAMES OF CONTRACTS.	ESTIMATED COST.
Regulating, grading, etc., Fordham road, from Kingsbridge road to Harlem river.....	\$35,610 00	Repairing with asphalt One Hundred and Sixty-second street to Webster avenue.....	3,603 00
Regulating, grading, etc., Mount Hope place, from Anthony to Jerome avenue.....	13,777 50	Repairing with asphalt One Hundred and Fifty-third street, from Elton to Melrose avenue.....	8,368 00
Regulating, grading, etc., Woodlawn road, from Jerome avenue to Bronx Park.....	74,012 50	Repairing with asphalt One Hundred and Sixty-second street, from Third to Courtlandt avenue, etc.....	20,263 00
Regulating, grading, etc., East One Hundred and Fifty-first street, from Robbins to Beach avenue.....	2,839 25	Repairing with asphalt One Hundred and Thirty-eighth street, from Alexander to Willis avenue.....	11,509 50
Regulating, grading, etc., Gun Hill road (Olin avenue), from Jerome avenue to Bronx river.....	20,953 00	Repairing with asphalt St. Ann's avenue, from One Hundred and Forty-seventh to One Hundred and Forty-eighth street.....	4,633 00
Regulating, grading, etc., East One Hundred and Seventy-sixth street, from Jerome to Tremont avenue.....	21,971 00	Repairing with asphalt One Hundred and Fifty-fourth street, from Elton to Melrose avenue.....	4,182 60
Regulating, grading, etc., East One Hundred and Eighty-third street, from Arthur avenue to Southern Boulevard.....	10,712 50	Repairing with asphalt One Hundred and Forty-seventh street, from Third to St. Ann's avenue.....	17,825 00
Regulating, grading, etc., Topping avenue, from East One Hundred and Seventy-sixth street to Claremont Park.....	8,302 90	Repairing with asphalt One Hundred and Fifty-seventh street, from Courtlandt to Melrose avenue.....	4,183 30
Regulating, grading, etc., St. Paul's place, from Fulton to Webster avenue.....	10,388 00	Repairing with asphalt (strips) Brook avenue, from Third to Webster avenue.....	6,332 00
Regulating, grading, etc., Cambridge avenue, from One Hundred and Eighty-seventh street to St. John's College.....	13,097 50	Repairing with asphalt (strips) One Hundred and Seventieth street, from Webster to Franklin avenue.....	6,050 00
Regulating, grading, etc., East One Hundred and Eighty-ninth street, from Webster to Third avenue.....	9,734 00	Repairing with asphalt Eagle avenue, from One Hundred and Sixty-first to One Hundred and Sixty-third street.....	4,450 00
Regulating, grading, etc., Kingsbridge road, from Webster avenue to Harlem river.....	61,171 50	Special Contract (C. O.)—Fencing lots, southeast corner One Hundred and Thirty-fourth street and St. Ann's avenue.....	167 40
Regulating, grading, etc., East One Hundred and Eighty-second street, from Aqueduct to Jerome avenue.....	11,085 00	Regulating, grading and paving with asphalt Mott avenue, from One Hundred and Thirty-eighth to One Hundred and Sixty-first street.....	89,914 00
		Regulating, grading and paving with asphalt One Hundred and Sixty-sixth street, from Third to Park avenue, East.....	13,564 75
		Regulating, grading and paving with asphalt College avenue, from One Hundred and Forty-sixth to One Hundred and Forty-eighth street.....	7,168 00
		Regulating, grading and paving with asphalt Cauldwell avenue, from One Hundred and Sixty-first street to Boston road.....	21,393 80
		Total.....	\$995,322 65

OFFICE OF CHIEF ENGINEER, DEPARTMENT OF HIGHWAYS, BOROUGH OF THE BRONX.

Financial Statement of Contracts under Construction on which Payments have been Earned during the Year ending December 31, 1900.

TITLE OF WORK.	ESTIMATED COST.	TOTAL AMOUNT EARNED.	TOTAL AMOUNT RETAINED.	TOTAL AMOUNT CERTIFIED.	AMOUNT EARNED DURING YEAR.	AMOUNT CERTIFIED DURING YEAR.	REMARKS.
Tremont avenue, regulating, grading, etc., from Jerome to Aqueduct avenue.....	\$42,242 50	\$29,257 50	\$6,677 25	\$15,580 25	\$3,200 00	\$2,240 00	70 per cent., No. 6.
Longwood avenue, regulating, grading, etc., from Tiffany street to Southern Boulevard.....	28,513 50	22,558 30	6,267 55	15,790 95	5,782 30	4,042 75	" No. 11.
Kappock street, regulating, grading, etc., from Spuyten Duyvil Parkway to Johnson avenue.....	29,113 50	20,837 50	6,266 25	14,621 25	1,844 71	1,201 31	" No. 12.
Tiffany street, regulating, grading, etc., from Intervale avenue to East river.....	126,775 00	123,383 00	37,015 50	86,369 50	33,870 00	23,100 00	" No. 29.
Morris avenue, regulating, grading, etc., from New York and Harlem Railroad to Concourse.....	139,775 00	85,237 25	25,571 18	59,666 07	18,127 14	13,689 00	" No. 22.
Inwood avenue, regulating, grading, etc., from Cromwell avenue to Featherbed lane.....	57,664 00	57,785 00	17,335 50	40,449 50	47,281 50	33,168 45	" No. 7.
Westchester avenue, regulating, grading, etc., from Southern Boulevard to Bronx river.....	33,842 00	32,175 00	9,652 50	22,522 50	11,175 00	7,962 50	" No. 14.
Aqueduct avenue, regulating, grading, etc., from Lind avenue to Kingsbridge road.....	143,952 50	131,590 50	30,477 25	92,113 25	42,225 50	29,550 85	" No. 22.
Southern Boulevard, regulating, grading, etc., from One Hundred and Thirty-eighth street to Hunt's Point road.....	35,450 50	48,878 00	14,665 40	34,212 60	31,624 00	26,156 50	" No. 11.
One Hundred and Eighty-seventh street, regulating, grading, etc., from Park avenue to Southern Boulevard.....	35,935 25	18,605 00	5,584 50	13,020 50	15,680 00	9,156 00	" No. 6.
Two Hundred and Thirty-third street, completing, regulating, grading, etc., from Jerome avenue to Bronx river.....	23,922 00	20,888 20	6,266 41	14,621 67	14,215 10	9,950 57	" No. 11.
Fordham road, regulating, grading, etc., from Kingsbridge road to Harlem river.....	35,610 00	18,364 50	5,599 35	12,855 15	18,364 50	12,855 15	" No. 5.
Woodlawn road, regulating, grading, etc., from Jerome avenue to Bronx Park.....	74,012 50	24,920 00	7,478 70	17,441 30	24,022 00	17,150 30	" No. 2.
Hughes avenue, regulating, grading, etc., from Tremont avenue to Fordham College.....	51,688 33	15,391 45	4,677 45	10,714 02	15,391 45	10,014 02	" No. 3.
One Hundred and Eighty-ninth street, regulating, grading, etc., from Webster to Third avenue.....	9,534 00	2,900 00	870 00	2,030 00	2,900 00	2,030 00	" No. 1.
One Hundred and Seventy-sixth street, regulating, grading, etc., from Jerome to Tremont avenue.....	21,071 00	21,807 11	6,542 23	15,265 21	21,807 11	15,065 11	" No. 2.
Cambridge avenue, regulating, grading, etc., from One Hundred and Eighty-seventh street to St. John's College.....	13,097 50	3,042 00	912 00	2,128 00	3,040 00	2,128 00	" No. 8.
St. Paul's place, regulating, grading, etc., from Fulton to Webster avenue.....	10,388 00	6,250 00	1,869 00	4,381 00	6,250 00	4,381 00	" No. 3.
Gun Hill road (Olin avenue), regulating, grading, etc., from Jerome avenue to Bronx river.....	50,953 00	36,186 75	10,856 03	25,330 72	30,186 75	25,330 72	" No. 7.
Kingsbridge road, regulating, grading, etc., from Webster avenue to Harlem river.....	61,171 50	18,497 70	5,549 31	12,948 39	18,497 70	12,948 39	" No. 6.
East One Hundred and Eighty-second street, regulating, grading, etc., from Aqueduct to Jerome avenue.....	11,085 00	6,469 00	1,940 70	4,528 30	6,469 00	4,528 30	" No. 3.
East One Hundred and Eightieth street, regulating, grading, etc., from Third avenue to Bronx river.....	76,267 00	30,607 50	11,382 25	27,705 25	30,607 50	27,725 25	" No. 6.
Bainbridge avenue, regulating, grading, etc., from Southern Boulevard to Kingsbridge road.....	24,520 60	21,399 60	6,410 88	14,979 72	21,399 60	14,979 72	" No. 6.
Washington avenue, regulating, grading, etc., from Third avenue at One Hundred and Fifty-ninth street to Pelham avenue.....	69,961 00	18,284 30	5,484 75	12,797 75	18,284 30	12,797 75	" No. 4.
Boone street, regulating, grading, etc., from Freeman to Woodruff street.....	30,007 36	22,372 40	5,699 79	15,672 68	22,339 40	15,632 68	" No. 6.
Lafayette avenue, regulating, grading, etc., from Longwood avenue to Bronx river.....	45,472 50	3,194 00	931 20	2,172 80	3,194 00	2,172 80	" No. 1.
One Hundred and Sixty-seventh street, paving, from Prospect avenue to Southern Boulevard.....	14,232 50	8,175 00	2,452 50	5,722 50	8,175 00	5,722 50	" No. 2.
One Hundred and Sixty-fifth street, regulating, grading and paving with asphalt, from Third to Park avenue.....	13,564 75	1,760 00	528 00	1,232 00	1,760 00	1,232 00	" No. 1.
Cauldwell avenue, regulating, grading and paving with asphalt, from One Hundred and Sixty-first street to Boston road.....	21,393 80	20,335 70	6,160 73	14,174 97	20,535 70	14,374 99	" No. 1.
Bridge at One Hundred and Fifty-third street over New York and Harlem Railroad.....	207,643 25	43,490 00	13,028 70	30,460 30	43,490 00	30,460 30	" No. 3.
Total amount of 70 per cent. payments.....	\$1,453,035 28	\$216,888 89	\$73,065 67	\$61,822 22	\$557,359 02	\$396,151 31	
Melrose Avenue Viaduct over New York and Harlem Railroad at One Hundred and Sixty-fifth street.....	\$164,051 30	\$74,258 75	\$11,138 81	\$63,119 94	\$73,743 75	\$51,672 19	85 per cent., No. 16.
Total amount of 85 per cent. payments.....	\$164,051 30	\$74,258 75	\$11,138 81	\$63,119 94	\$73,743 75	\$51,672 19	

NAME OF WORK.	ESTIMATED COST.	APPROXIMATE VARIATIONS SHOWN IN PERCENTAGE. ACTUAL COST.	TOTAL AMOUNT RETAINED.	TOTAL AMOUNT CERTIFIED.	AMOUNT EARNED DURING YEAR.	AMOUNT CERTIFIED DURING YEAR.	REMARKS.
River avenue, regulating, grading, etc., from One Hundred and Forty-sixth street to Jerome avenue, etc.	\$28,953 00	2 per cent. increase, \$73,445 36	\$45,630 00 1,721 90	\$25,091 68	\$27,218 96	\$27,218 96	6 months' repairs.
Trinity avenue, regulating, grading, etc., from Westchester avenue to One Hundred and Sixty-first street.	29,589 95	Diff. less than 1 per cent., \$24,315 18	494 95	29,742 91	14,300 21	14,300 01	* 6 months' repairs.
Naples avenue, regulating, grading, etc., from Two Hundred and Thirty-third street to Mount Vernon avenue, etc.	294,077 00	Diff. less than 1 per cent., \$195,490 38	7,570 00	287,333 38	109,666 08	109,666 09	* 6 months' repairs.
Sherridan avenue, regulating, grading, etc., from One Hundred and Fifty-third to One Hundred and Sixty-first street.	58,991 70	Diff. less than 1 per cent., \$53,890 92	541 94	53,448 97	26,295 30	26,295 30	* 6 months' repairs.
Webster avenue, completion of regulating, grading, etc., from Moshulu parkway to city line.	89,867 50	5 per cent. increase, \$94,358 37	3,760 80	90,977 37	50,384 39	50,384 39	* 6 months' repairs.
Mount Hope place, regulating, grading, etc., from Anthony to Jerome avenue.	13,777 50	increase, \$15,110 19	574 61	14,653 38	14,653 38	14,653 38	* 6 months' repairs.
One Hundred and Fifty-first street, regulating, grading, etc., from Rollins to Beach avenue.	9,869 95	Diff. less than 1 per cent., 2,012 52	165 00	4,747 52	4,747 52	4,747 52	6 months' repairs.
Topping avenue, regulating, grading, etc., from East One Hundred and Seventy-sixth street to Claremont Park.	8,201 90	2 per cent. decrease, 8,048 19	411 50	7,644 69	7,644 69	7,644 69	6 months' repairs.
One Hundred and Forty-seventh street, repaving with asphalt, from Third to St. Ann's avenue.	17,825 00	4 per cent. increase, 18,441 04	2,746 11	15,364 91	15,364 91	15,364 91	* 10 years' repairs.
St. Ann's avenue, repaving with asphalt, from One Hundred and Forty-seventh to One Hundred and Forty-eighth street.	4,535 90	2 per cent. increase, 4,626 57	732 70	3,998 87	3,998 87	3,998 87	10 years' repairs.
St. Ann's avenue, repaving with asphalt, from One Hundred and Forty-eighth to One Hundred and Forty-ninth street.	25,094 00	Diff. less than 1 per cent., 25,047 94	1,073 93	24,068 01	24,068 01	24,068 01	* 10 years' repairs.
One Hundred and Fiftieth street, repaving with asphalt, from Melrose to Courtlandt avenue.	4,343 50	50 per cent. increase, 4,997 21	621 73	3,695 48	3,695 48	3,695 48	10 years' repairs.
One Hundred and Sixty-second street, repaving with asphalt, from Third to Courtlandt avenue.	20,269 00	2 per cent. increase, 20,896 88	2,054 85	17,932 93	17,932 93	17,932 93	* 10 years' repairs.
One Hundred and Seventieth street, repaving with asphalt, from Webster to Franklin avenue.	6,039 00	2 per cent. decrease, 5,870 33	940 58	4,999 73	4,999 73	4,999 73	* 10 years' repairs.
Brook avenue, repaving with asphalt, from One Hundred and Forty-third to One Hundred and Forty-fourth street.	5,009 30	Diff. less than 1 per cent., 5,077 06	705 77	4,351 29	4,351 29	4,351 29	* 10 years' repairs.
Brook avenue, repaving with asphalt, from Third to Webster avenue.	5,139 00	13 per cent. decrease, 5,511 59	380 54	4,631 15	4,631 03	4,631 03	* 10 years' repairs.
One Hundred and Sixty-fifth street, repaving with asphalt, from Boston road to Union avenue.	16,842 00	3 per cent. increase, 17,296 87	2,339 41	14,856 86	14,856 86	14,856 86	* 10 years' repairs.
Park avenue, repaving with asphalt, from One Hundred and Sixty-second street to Webster avenue.	3,563 00	2 per cent. decrease, 3,475 00	554 18	2,880 50	2,880 50	2,880 50	10 years' repairs.
Chisholm street, paving, from Stillman avenue to Jennings street.	4,074 30	Diff. less than 1 per cent., 4,631 04	375 61	4,262 43	4,262 43	4,262 43	6 months' repairs.
Jennings street, paving, from Union to Stillman avenue.	7,928 00	Diff. less than 1 per cent., 7,999 38	653 30	7,306 08	7,306 08	7,306 08	* 6 months' repairs.
One Hundred and Sixty-sixth street, repaving with asphalt, from Third to Park avenue.	3,330 30	5 per cent. increase, 3,445 67	2,395 33	7,609 34	7,609 34	7,609 34	* 10 years' repairs.
East One Hundred and Eighty-third street, regulating, grading, etc., from Archer avenue to Southern Boulevard.	16,712 30	1 1/2 per cent. decrease, 16,449 85	303 38	15,946 47	15,946 47	15,946 47	* 6 months' repairs.
One Hundred and Thirty-seventh street, repaving with asphalt, from Alexander avenue to Brown place.	17,253 50	3 per cent. increase, 17,796 65	2,453 17	15,345 48	15,345 48	15,345 48	* 10 years' repairs.
Rose street, regulating, grading, etc., from Bergen to Brook avenue.	870 73	2 per cent. decrease, 855 04	160 00 62 50	734 34	734 34	734 34	6 months' repairs.
Mott avenue, regulating, grading and paving with asphalt, from One Hundred and Thirty-ninth to One Hundred and Sixty-first street.	89,034 00	1 1/2 per cent. decrease, 88,579 75	.....	88,579 65	88,579 65	88,579 65	* 5 years' repairs.
One Hundred and Forty-fourth street, repaving with asphalt, from Elton to Melrose avenue.	4,138 60	5 per cent. increase, 4,349 04	379 33	3,809 71	3,809 71	3,809 71	10 years' repairs.
One Hundred and Fifty-seventh street, repaving with asphalt, from Courtlandt to Melrose avenue.	4,363 20	5 per cent. increase, 4,581 90	512 61	4,022 38	4,022 38	4,022 38	"
Total amount of payments on acceptance.	\$853,636 75	1 1/2 per cent. increase, \$858,042 44	\$43,435 03	\$794,607 41	\$407,438 60	\$407,438 60	
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One Hundred and Seventy-third street, regulating, grading, etc., from Southern Boulevard to West Farms road.	\$13,245 00	\$13,866 55	4 per cent. increase, 14,290 80	\$13,866 35	\$13,866 35	Completed.
Prospect avenue, regulating, grading, etc., from Westchester avenue to Crotona Park, South.	27,915 00	37,274 24	13 per cent. decrease, 37,274 24	37,274 24	\$11,375 89	13,375 89	1 Completed.
One Hundred and Seventy-second street, regulating, grading, etc., from Southern Boulevard to Mount Vernon.	15,485 00	14,946 19	3 1/2 per cent. decrease, 14,946 19	14,946 19	.....	14,946 19	Completed.
Boswell avenue, regulating, grading, etc., from Jerome avenue to Washington Bridge.	41,183 00	40,994 45	Diff. less than 1 per cent., 40,994 45	40,994 45	.....	40,994 45	"
Seebles avenue, regulating, grading, etc., from Dawson street to Boston road.	35,097 50	31,817 69	2 per cent. increase, 32,817 69	32,817 69	1,400 00	1,400 00	"
Tremont avenue, regulating, grading, etc., from New York and Harlem Railroad to Concourse.	14,635 00	31,999 18	Diff. less than 1 per cent., 31,999 18	31,999 18	.....	31,999 18	"
Clinton avenue, regulating, grading, etc., from Crotona Park, North, to East One Hundred and Eighty-second street.	11,544 00	19,846 63	8 per cent. decrease, 19,846 63	19,846 63	.....	19,846 63	"
Brook avenue, steel beam structure over Port Morris Branch Railroad at One Hundred and Fifty-seventh street.	49,918 50	52,702 82	5 1/2 per cent. increase, 52,702 82	52,702 82	.....	52,702 82	"
Crotona Park, South, regulating, grading, etc., from Fulton avenue to Prospect avenue.	5,103 75	7,405 90	7 1/2 per cent. decrease, 7,405 90	7,405 90	.....	7,405 90	"
Spencer place, regulating, grading, etc., from One Hundred and Forty-fourth street to One Hundred and Fiftieth street.	14,845 45	14,858 40	Diff. less than 1 per cent., 14,858 40	14,858 40	.....	14,858 40	"
One Hundred and Seventieth street, regulating, grading, etc., from Franklin avenue to Boston road.	7,472 50	6,437 10	1 1/2 per cent. decrease, 6,437 10	6,437 10	.....	6,437 10	"
One Hundred and Thirty-seventh street, regulating, grading, etc., from Brook avenue to Southern Boulevard.	7,692 75	7,390 87	3 per cent. decrease, 7,390 87	7,390 87	.....	7,390 87	"
Bachgate avenue, regulating, grading, etc., from Wendover avenue to One Hundred and Eighty-eighth street.	47,220 60	48,144 06	2 per cent. increase, 48,144 06	48,144 06	.....	48,144 06	"
Anthony avenue, regulating, grading, etc., from Clay avenue to Grand Boulevard and Concourse.	47,129 00	49,934 41	3 1/2 per cent. increase, 49,934 41	49,934 41	19,901 81	19,901 81	1 Completed.
Rose Hill place, construction of.	8,707 65	11,335 70	31 per cent. increase, 11,335 70	11,335 70	.....	11,335 70	Completed.
Walton avenue, regulating, grading, etc., from One Hundred and Thirty-eighth to One Hundred and Fiftieth street.	25,097 40	27,133 81	4 per cent. increase, 27,133 81	27,133 81	.....	27,133 81	"
Rogers place, regulating, grading, etc., from Dawson to One Hundred and Sixty-fifth street.	10,874 40	10,689 07	1 1/2 per cent. decrease, 10,689 07	10,689 07	.....	10,689 07	"
Wilkins place, regulating, grading, etc., from Southern Boulevard to Boston road.	19,463 95	19,014 48	2 per cent. decrease, 19,014 48	19,014 48	.....	19,014 48	"
Marion avenue, regulating, grading, etc., from One Hundred and Eighty-fourth street to Moshulu parkway.	44,536 50	43,188 08	3 per cent. decrease, 43,188 08	43,188 08	.....	43,188 08	"
One Hundred and Sixty-ninth street, regulating, grading, etc., from Jerome avenue to Boswell avenue.	6,813 50	6,903 30	1 1/2 per cent. increase, 6,903 30	6,903 30	.....	6,903 30	"
Ogden avenue, regulating, grading, etc., from Jerome avenue to Washington Bridge.	30,560 50	37,131 18	20 per cent. increase, 37,131 18	37,131 18	.....	37,131 18	"
Valentine avenue, regulating, grading, etc., from Burnside avenue to Kingsbridge road.	45,474 50	46,207 93	1 1/2 per cent. increase, 46,207 93	46,207 93	.....	46,207 93	"
Arthur avenue, regulating, grading, etc., from Tremont avenue to Pelham avenue.	38,597 50	38,130 70	Diff. less than 1 per cent., 38,130 70	38,130 70	14,477 40	14,477 40	1 Completed.
Cheever place, regulating, grading, etc., from Mott to Gerard avenue.	12,712 50	10,512 44	17 per cent. decrease, 10,512 44	10,512 44	.....	10,512 44	Completed.
Brown place, regulating, grading, etc., from One Hundred and Thirty-second to One Hundred and Thirty-eighth street.	15,689 00	16,077 71	2 1/2 per cent. increase, 16,077 71	16,077 71	.....	16,077 71	"
Mott avenue, regulating, grading, etc., from Park avenue to One Hundred and Sixty-first street.	28,439 70	33,933 77	19 per cent. increase, 33,933 77	33,933 77	.....	33,933 77	"
Spring place, regulating, grading, etc., from Third avenue to Boston road.	5,193 00	6,044 93	57 per cent. increase, 6,044 93	6,044 93	.....	6,044 93	"
One Hundred and Sixty-first street and Mott avenue, preparing site for Lorelei Fountain.	2,777 00	4,391 53	58 per cent. increase, 4,391 53	4,391 53	.....	4,391 53	"
Fox street (Simpson street), regulating, grading, etc., from Westchester avenue to Freeman street.	10,621 00	9,608 37	9 1/2 per cent. decrease, 9,608 37	9,608 37	.....	9,608 37	"
Robbins avenue, regulating, grading, etc., from Southern Boulevard to St. Mary's Park.	14,507 50	15,770 98	8 1/2 per cent. increase, 15,770 98	15,770 98	10,081 78	10,081 78	1 Completed.
Broadway (Crotona avenue), regulating, grading, etc., from Boston road to Southern Boulevard.	68,548 00	95,403 40	3 per cent. decrease, 95,403 40	95,403 40	45,633 30	45,633 30	71 Completed.
Total amount of completed payments.	\$850,592 91	\$858,637 79	Diff. less than 1 per cent.	\$858,637 79	\$407,774 18	\$407,774 18	

* Includes 70 per cent. payments made during year.

† Includes special payment of \$675.20.

‡ Excess inspection.

§ Includes 70 per cent. payments on acceptance.

|| Includes \$100, which was held for special repairs.

TITLE OF WORK.	ESTIMATED COST.	TOTAL AMOUNT EARNED.	TOTAL AMOUNT RETAINED.	TOTAL AMOUNT CERTIFIED.	AMOUNT EARNED DURING YEAR.	AMOUNT CERTIFIED DURING YEAR.	REMARKS.
Webster avenue, regulating and paving with brick, from Kingsbridge road to Southern Boulevard.	\$51,077 00	\$53,836 81	\$5,383 52	\$48,453 29	.....	\$2,601 81	5 per cent. No. 3, 5 years' guarantee.
Westchester avenue, repaving with asphalt, from Third to Prospect avenue.	12,844 00	12,720 99	1,008 15	10,812 84	.....	636 05	5 per cent. No. 3, 5 years' guarantee.
One Hundred and Thirty-eighth street, repaving with asphalt, from Third to Willis avenue.	3,630 90	3,375 88	497 30	2,877 98	.....	105 75	5 per cent. No. 3, 5 years' guarantee.
One Hundred and Thirty-sixth street, regulating and paving with asphalt, from Willis avenue to Brown place.	10,777 40	8,107 22	840 73	7,266 59	.....	405 37	5 per cent. No. 3, 5 years' guarantee.
Boston road, repaving, from Third avenue to One Hundred and Sixty-fifth street.	9,313 60	9,173 85	435 78	8,698 87	.....	483 79	5 per cent. No. 3, 5 years' guarantee.
Trialty avenue, regulating, grading and paving with asphalt, from One Hundred and Sixty-third to One Hundred and Sixty-sixth street.	17,708 20	17,364 82	1,047 89	16,316 93	.....	694 59	4 per cent. No. 1, 5 years' guarantee.
One Hundred and Thirty-seventh street, paving with asphalt, from Lincoln to Alexander avenue.	5,329 50	5,313 00	796 85	4,516 05	.....	305 63	5 per cent. No. 3, 5 years' guarantee.
Union avenue, paving with asphalt, from Southern Boulevard to Westchester avenue.	28,490 00	28,404 15	5,692 83	22,711 32	.....	2,846 45	10 per cent. No. 1, 5 years' guarantee.
Union avenue, paving with asphalt, from Westchester avenue to Boston road.	47,368 50	47,435 23	7,118 87	40,316 83	.....	2,372 76	5 per cent. No. 3, 5 years' guarantee.
St. Ann's avenue, paving with asphalt, from Southern Boulevard to One Hundred and Thirty-eighth street.	18,004 70	16,235 73	1,623 57	14,612 16	.....	811 79	5 per cent. No. 3, 5 years' guarantee.
One Hundred and Forty-fourth street, paving with asphalt, from Brook to St. Ann's avenue.	2,366 00	2,366 33	219 81	2,146 52	.....	119 80	5 per cent. No. 4, 5 years' guarantee.
Jerome avenue, brick pavement, from Macomb's Dam Bridge to One Hundred and Sixty-second street.	16,832 00	26,504 34	3,076 05	23,428 29	.....	1,345 22	5 per cent. No. 3, 5 years' guarantee.
Total amount of percentage payments.	\$136,574 80	\$130,828 97	\$29,424 95	\$101,404 02	.....	\$12,791 03	
Special Contract—One Hundred and Thirty-fourth street and St. Ann's avenue, fencing lots on southeast corner.	\$167 40	\$167 40	.....	\$167 40	\$167 40	\$167 40	C. O.
East One Hundred and Sixty-seventh street, regulating, grading, etc., from Prospect to Westchester avenue.	35,553 00	35,641 80	.....	35,641 80	.....	10,623 51	Special payment.
Abandoned Contract—Webster avenue, regulating, grading, etc., from Maholu parkway to city line.	174,484 00	103,472 43	.....	105,672 45	.....	31,641 74	"
Total amount of Special Payments and C. O.	\$410,096 40	\$142,251 65	.....	\$142,251 65	\$167 40	\$42,492 08	

RECAPITULATION.

TITLE OF WORK.	ESTIMATED COST.	TOTAL AMOUNT EARNED.	TOTAL AMOUNT RETAINED.	TOTAL AMOUNT CERTIFIED.	AMOUNT EARNED DURING YEAR ENDING DECEMBER 31, 1900.	AMOUNT CERTIFIED DURING YEAR ENDING DECEMBER 31, 1900.
Total amount of 70 per cent. payments.	\$1,453,015 18	\$916,888 89	\$275,066 67	\$641,822 22	\$557,359 01	\$390,151 31
Total amount of 85 per cent. payments.	164,052 30	74,258 75	11,738 81	62,519 94	63,143 75	33,679 19
Total amount of payments on acceptance.	823,636 73	838,042 44	45,835 03	792,207 41	497,432 00	497,432 00
Total amount of final payments.	805,042 01	808,637 79	.....	808,637 79	107,714 18	102,665 71
Total amount of per cent. payments on retained amounts.	236,574 80	230,828 97	29,424 95	201,404 02	.....	12,791 03
Total amount of special payments and C. O.	910,206 40	142,251 65	.....	142,251 65	167 40	42,492 08
Grand total.	\$3,699,547 44	\$3,009,908 49	\$359,905 46	\$2,649,843 02	\$1,225,816 94	\$1,100,205 28

Respectfully submitted,
JOSHUA A. BRIGGS, Chief Engineer, Borough of The Bronx.

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS,
DEPUTY COMMISSIONER'S OFFICE, BOROUGH OF THE BRONX,
THIRD AVENUE AND ONE HUNDRED AND SEVENTY-SEVENTH STREET,
NEW YORK, January 5, 1901.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways, Borough of The Bronx:

DEAR SIR—I have the honor to submit the following report of expenditures of the Department of Highways, Borough of The Bronx, for the year ending December 31, 1900:

SUMMARY OF EXPENDITURES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1900.

"Salaries, Contingencies, Labor, Maintenance and Supplies, Preliminary surveys, etc., Rock Soundings, Standard Bench Marks, Removing Incumbrances, Maintenance of Viaducts and Bridges, Preparing site for Lorelei Fountain."	\$590,296 29
On account "Restoring and Repaving, Special Fund (Bronx)"	5,510 50
On account "Soldiers Claims" (chapter 640, Laws 1900)	1,912 00
On account "Street Improvement Fund" (assessment on property benefited)	1,056,169 65
On account "Paving Jerome Avenue" (chapter 31, Laws 1897)	1,622 67
On account "Construction of Rose Hill Place" (chapter 624, Laws 1896)	988 85
On account "Repaving Roads, Streets and Avenues" (chapter 149, Laws 1896, and chapter 378, Laws 1897)	122,072 51
On account "Steel Beam Structure over New York and Harlem Railroad (Port Morris Branch), Brook Avenue and One Hundred and Fifty-seventh Street" (chapter 616, Laws 1896)	1,567 50
On account "Bridge over New York and Harlem Railroad at One Hundred and Fifty-third street" (chapter 650, Laws 1897)	33,997 43
On account "Viaduct over New York and Harlem River Railroad connecting Melrose Avenue, from One Hundred and Sixty-third Street to One Hundred and Sixty-fifth Street" (chapter 680, Laws 1897)	59,569 92
Total.	\$1,873,707 33

DETAILED STATEMENT OF EXPENDITURES

For which Vouchers were Drawn by the Commissioner of Highways, Borough of The Bronx, during the Year ending December 31, 1900.

	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
"Office of Deputy Commissioner"—					
Account 1900.					
Salaries of Deputy Commissioner, Chief Clerk and Private Secretary, Clerks, etc.	\$3,514 95	\$3,374 95	\$3,514 95	\$3,514 95	\$14,099 80
"Contingencies"—					
Copies of atlas (Account 1899)	\$50 00	.....	.....	.....	.....
Telephone services (Account 1899)	110 48	.....	.....	.....	.....
Rubber stamps	1 50	.....	\$4 70	\$30 65	.....
Telephone services	.....	\$118 08	112 06	25 43	.....
Cover for ledger	.....	2 00	.....	.....	.....
Stationery	.....	.....	30 85	28 51	.....
Cover for Lorelei Fountain (Account 1898)	.....	.....	.....	248 00	.....
Clipping horse	.....	.....	.....	27 50	.....
Carriage hire	.....	.....	.....	7 00	.....
Stencils, etc.	.....	.....	.....	48 30	.....
Lap robes, etc.	.....	.....	.....	63 00	.....
	\$164 38	\$113 08	\$136 01	\$353 98	985 05

	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
"Labor, Maintenance and Supplies"—					
Account 1899.					
Laborers' pay-rolls	\$10,016 19	.....	.....	.....	.....
Stone "contract" and block filling	16,721 73	.....	.....	.....	.....
Paving One Hundred and Thirty-eighth street, etc.	999 49	.....	.....	.....	.....
Lumber contract	5,754 54	.....	.....	.....	.....
Paving sand contract	1,275 00	.....	.....	.....	.....
Sprinkling truck contract	1,090 00	.....	.....	.....	.....
Hardware supplies	313 38	\$322 35	.....	.....	.....
Paint, oils, etc.	784 99	.....	.....	.....	.....
Harness and repairs	158 93	.....	.....	.....	.....
Horseshoeing	207 40	.....	.....	.....	.....
Ashes	227 43	.....	.....	.....	.....
Crosswalk stone	934 00	.....	.....	.....	.....
Sharpening tools	210 25	.....	.....	.....	.....
Traveling expenses	109 06	.....	.....	.....	.....
Water for sprinklers	18 18	.....	.....	.....	.....
Veterinary services and medicines	44 85	.....	.....	.....	.....
Rentals	54 00	.....	.....	.....	.....
Wheelbarrows	54 00	.....	.....	.....	.....
Coal contract	.....	2,016 90	.....	.....	.....
Forge	.....	4,391 79	.....	.....	.....
Account 1900.					
Laborers, etc., pay-rolls	46,602 08	147,890 16	\$130,448 95	\$85,277 41	.....
General Superintendent, Inspectors, Clerks, etc., pay-rolls	7,429 95	7,470 45	7,721 99	7,774 93	.....
Inspection of steam roller boilers	8 00	4 00	.....	.....	.....
Ashes	360 30	.....	.....	.....	551 60
Lumber	200 00	423 43	770 06	2,101 16	.....
Hardware, etc.	7 39	224 11	623 58	404 86	.....
Repairs to wagon	48 00	.....	.....	.....	.....
Harness, repairs, etc.	14 00	73 00	38 70	61 30	.....
Sand	9 35	.....	.....	.....	353 00
Traveling expenses	172 75	441 28	347 49	625 02	.....
Gravel, etc.	.....	568 12	199 58	40 00	.....
Cement	.....	74 00	23 00	.....	.....
Crosswalk stone	.....	234 00	.....	.....	.....
Veterinary services and medicines	.....	46 93	54 10	51 10	.....
Carriage and repairs	.....	366 73	89 41	144 05	.....
Oil	.....	93 42	30 43	.....	.....
Water for sprinklers	.....	85 79	261 93	163 25	.....
Use of tools	.....	14 38	238 40	19 00	.....

	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.		FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
Cash hire.....		\$25 00	\$14 00	\$14 00		" Maintenance of Viaducts and Bridges"—					
Horseshoeing and sharpening tools.....		104 26	105 77	94 27		Account, 1899.....					
Canvases.....		28 50				Laborers, etc., pay-roll.....	\$170 00				
Brooms, etc.....	\$119 50	121 23	52 65			Lumber contract.....	3,962 38				
Straw.....		31 20				Account, 1900.....					
Badges.....		9 00				Laborers, etc., pay-roll.....	970 90	\$2,646 30	\$2,947 35	\$1,438 32	
Engineers, etc., pay-roll.....			128 53	100 05		Lumber.....			350 04	654 83	
Stant and screenings contract.....			10,977 00	10,977 00			\$5,103 37	\$2,646 30	\$1,597 35	\$2,093 30	\$11,439 32
Purchase of horses.....			400 00			" Preparing site for Lorelei Fountain"—					
Racks and managers.....			24 15			Engineers, etc., pay-roll.....	\$111 40				
Cleaning cesspools.....			39 00			Paid contractor.....				\$216 17	
Hay, etc.....			205 42	268 25			\$111 40			\$216 17	327 56
Monitor wheels.....				779 23		" Restoring and Repairing—Special Fund"—					
Asphalt.....				74 40		Pay-rolls, repairs.....	\$754 62	\$1,088 12	\$1,571 40	\$990 39	
Coal.....				5 00		Amounts refunded.....		120 00		7 44	
Repairs One Hundred and Fiftieth street.....				9 78		Warren-Scharf Asphalt Paving Co., repairs.....				68 61	
	\$90,614 76	\$165,000 35	\$153,139 04	\$108,210 48	\$514,964 83		\$764 62	\$2,108 12	\$1,571 40	\$1,066 37	5,510 50
" Preliminary Surveys, etc."—						" Soldier Claims," chap. 644, Laws 1900—					
Account, 1899.....						Pay-rolls.....			\$1,912 00		1,912 00
Real Estate Record and Guide.....	\$3 00					" Street Improvement Fund"—					
Bidding assessment lists.....	25 00					Engineers, etc., pay-roll.....	\$6,001 21	\$7,670 24	\$6,410 70	\$5,216 39	
Stakes.....	186 00					Inspectors, pay-roll.....	8,921 20	11,496 27	11,920 70	10,994 37	
Blue print paper.....	27 50					Paid contractors, regulating, grading and paving.....	196,060 23	145,366 73	281,849 08	363,823 53	
Account, 1900.....							\$211,022 34	\$164,533 24	\$300,180 36	\$380,134 31	1,056,269 52
Laborers, etc., pay-roll.....	475 25	\$212 75		\$1,765 00		" Paving Tremont Avenue," chap. 31, Laws 1897—					
Engineers, etc., pay-roll.....	6,380 97	4,503 17	\$6,360 33	6,473 64		From Tremont avenue to Van Cort-					
Foremen pay-roll.....	66 93					landt avenue.....	\$112 61				
Photographic materials.....	8 79		15 73	11 50		From Van Cortlandt avenue to City Line.	114 84				
Atlas.....	25 00					From Macomb's Dam Bridge to One			\$1,325 22		
Traveling expenses.....	174 09	427 68	440 07	283 48		Hundred and Sixty-second street.....					
Cross section paper.....	23 50						\$297 45		\$1,325 22		1,622 67
Repairs to type-writer.....	18 00					" Construction of Ross Hill Place," chap. 624, Laws 1896—					
Publisher stamps.....	2 85					Engineers, etc., pay-roll.....	\$156 30	\$91 06			
Drawing materials, etc.....		89 10	379 12			Laborers' pay-roll.....		264 65			
Type-writers.....		100 35				Paid contractor.....			\$276 84		
Rentals.....		54 00	54 00	54 00			\$156 30	\$255 71	\$276 84		688 85
Repairs to transit.....		6 00	9 50	40 00		" Repaving Roads, Streets and Avenues,"					
Hardware.....		8 15	23 64	12 47		chap. 149, Laws 1894 and chap. 378, Laws 1897—	\$207 37	\$1,765 66	\$22,183 48	\$97,226 01	
Stakes.....			120 50				\$207 37	\$1,765 66	\$22,183 48	\$97,226 01	22,072 52
Phatton.....			150 00			" Steel Beam Structure over New York and					
Bidding assessment lists.....			16 00			Harlem Railroad, Fort Morris Branch,					
Books.....			16 00			Brook avenue and One Hundred and					
Real Estate Record and Guide.....			3 00			Fifty-seventh street," chap. 616, Laws 1896—					
Maps.....			63 50			Paid contractors.....	\$872 50	\$695 00			
	\$7,416 98	\$5,891 20	\$7,821 41	\$8,646 11	20,775 70		\$872 50	\$695 00			1,567 50
" Rock soundings"—						" Bridge over New York and Harlem Rail-					
Account 1899.....						road at One Hundred and Fifty-					
Harness.....	\$45 00					third street," chap. 650, Laws 1897—					
Repairs to wagon.....	41 45					Engineers, etc., pay-roll.....	\$121 83	\$196 79	\$201 73	\$278 23	
Traveling expenses.....	116 41					Inspectors, etc., pay-roll.....	20 00	638 53	781 00	569 00	
Steel.....		\$90 23				Paid contractors.....		8,121 40	19,752 61	2,516 30	
Account 1900.....							\$121 83	\$2,056 74	\$21,025 33	\$1,461 31	33,997 43
Laborers' pay-roll.....	5,737 22	4,373 58	\$216 75			" Viaduct over New York and Harlem Rail-					
Engineers, etc., pay-roll.....	816 79	411 99	69 44	\$166 47		road, connecting Madison avenue, from					
Foremen, pay-roll.....	183 30	300 00				One Hundred and Sixty-third to One					
Repairs to surface pipes.....		10 21				Hundred and Sixty-fifth street," chap-					
Hardware supplies.....		3 75				ter 686, Laws 1897—					
General Superintendent Maintenance			283 87			Engineers, etc., pay-roll.....	\$630 64	\$408 81	\$496 39	\$252 50	
pay-roll.....						Inspectors, etc., pay-roll.....	577 50	393 00	399 50	369 50	
	\$5,880 16	\$5,189 54	\$590 06	\$166 47	9,826 23	Consulting Engineer.....	677 99	932 03	386 47	371 40	
" Standard Bench Marks"—						Paid contractors.....	15,368 00	21,125 69	8,760 10	8,418 40	
Pay-roll Engineers, etc.....	\$1,066 75	\$121 14	\$214 94	\$738 44			\$17,063 13	\$22,850 53	\$10,042 46	\$2,404 80	50,360 92
Traveling expenses.....				229 24		Grand total.....					\$1,873,707 31
	\$1,066 75	\$121 14	\$214 94	\$967 68	2,273 51	Cash received from Maintenance Bureau for					
" Restoring Incumbences"—						various permits, etc. (for details see					
Account, 1899.....						General Superintendent's report).....	\$1,658 21	\$1,720 26	\$1,399 64	\$4,193 99	
Laborers, etc., pay-roll.....	\$128 29					Proceeds of auction sale, account of Bureau	9,778 37	303 07		75 72	
Rent of yard.....	100 00					of Incumbences.....	42 75				
Account, 1900.....						Cash received from shed permits.....	10 00				
Laborers, etc., pay-roll.....	505 95					Cash received from Bureau of Incumbences.....		4 99			
General Superintendent Maintenance						Cash received for use of steam roller.....		12 00	16 00	24 00	
pay-roll (Clerk and Inspectors).....	425 08	\$549 98	\$610 98	\$649 98		Cash received for labor and material.....		32 52			
Expenses removing dirt, trees, stone, etc.....		769 20	833 20	888 20		Cash received for use from trucks.....			28 00		
Rent of yard.....		100 00	100 00	100 00			\$1,658 21	\$2,079 24	\$1,418 64	\$2,294 11	\$5,450 19
Indemnity.....		9 00				Total cash received for year.....					\$5,450 19
Publisher stamps.....		8 00									
	\$1,294 22	\$2,430 18	\$1,383 18	\$1,838 68	5,946 26						

Respectfully,
CHARLES McCAFFREY, Clerk.

CITY OF NEW YORK—DEPARTMENT OF HIGHWAYS,
DEPUTY COMMISSIONER'S OFFICE, BOROUGH OF THE BRONX,
THIRD AVENUE AND ONE HUNDRED AND SEVENTY-SEVENTH STREET,
NEW YORK, 1901.

Hon. JAMES H. MALONEY, Deputy Commissioner of Highways, Borough of The Bronx:

SIR—I submit herewith the following report of the operations of the Bureau of Incumbrances for the year ending December 31, 1900, as follows:

Number of complaints of obstructions received and attended to.....	545
" complaints attended to by owners on notice.....	278
" seizures and removals of obstructions made.....	267
" permits issued to place building materials on streets.....	647
" permits issued for miscellaneous purposes.....	362
" permits issued to cross sidewalks (special permits).....	181
" sheds permits issued.....	2
" permits issued to move houses.....	25

Total number of permits issued..... 1,247

Material Moved to the Corporation Yard.

Number of loads of brick.....	14
" loads of lumber.....	28
" loads of personal property.....	2
" loads of sand.....	1
" flagstones.....	5
" bridge stones.....	1
" newspaper stands.....	2
" electric light poles.....	2
" transparencies.....	1
" lengths of iron pipe.....	6
" poles.....	1

Number of locations where building material was thrown in.....	10
" locations where dirt, stone and boulders were removed from.....	260
" locations where dead and dangerous trees, stumps and posts were removed from.....	79

Money received for the redemption of seized goods.....	\$2 00
" at auction sale of seized goods held March 5, 1900.....	42 75
" for labor and supplies expended in relaying defective sidewalks.....	2 99
" for shed permits.....	10 00

Total..... \$57 74

All of which was paid to the Commissioner of Highways.

Appropriation for removing incumbrances.....	\$6,000 00
Expenses for year 1900—Pay-roll, Inspectors, Laborers and Clerk.....	\$2,915 87
For seizing and removing various articles, as follows: Dirt, stone, rubbish and boulders, throwing in material on premises at various places, removal of dead and dangerous trees, stumps and posts from various places.....	2,490 50
Rent of Corporation Yard.....	300 00
Supplies.....	17 00
Total.....	5,717 37

Balance of appropriation..... \$282 63

Respectfully,

(Signed) THOMAS H. O'NEIL, Acting Superintendent of Incumbrances.

ANNUAL SUMMARY—1900.

Nature of Work.	JANUARY 1 TO MARCH 31.	APRIL 1 TO JUNE 30.	JULY 1 TO SEPTEMBER 30.	OCTOBER 1 TO DECEMBER 31.	TOTAL.
New macadam laid, square yards.....	.....	.....	.....	4,422	4,422
Remacadamizing, square yards.....	.....	8,135	8,389	34,732	51,256
Resurfacing, square yards.....	.....	5,000	9,467	1,300	15,767
Repairs to old macadam, square yards.....	9,729	20,439	17,817	26,917	67,812
Macadam scraped and cleared, square yards.....	210,708	795,467	479,583	128,963	1,514,661
90 miles of macadam roads were sprinkled, when necessary (for details, see Quarterly Reports).....	.....	.....	.....	.....	.....
Trap-block pavement repaired, square yards.....	4,013	1,900	4,051	1,543	11,507
Granite-block pavement repaired, square yards.....	5,988	13,058	11,257	7,036	37,339
Granite-block and cement repaired, square yards.....	.....	847	579	368	1,794
Trap-block paved gutters, new, square yards.....	.....	.....	.....	76	76
Trap-block paved gutters repaired, square yards.....	.....	119	17	.....	136
Native stone gutters paved, new, square yards.....	181	4,057	4,734	1,081	9,953
Cobblestone gutters paved, new, square yards.....	.....	.....	268	.....	268
Earth roadways repaired, surfaced and scraped, square yards.....	58,661	1,094,739	737,714	304,923	9,133,738
Earth roadways repaired with native stone, square yards.....	9,710	5,801	17,219	1,307	34,037
Gutters formed and cleaned, linear feet.....	302,604	1,097,015	735,484	536,461	9,781,504
Curbstones set, new, linear feet.....	.....	46	.....	.....	46
Curbstones reset, linear feet.....	65	3,919	3,075	1,854	8,913
Curbstones formed with native stone, linear feet.....	680	6,977	5,676	384	13,717
Sidewalks relaid and repaired, square feet.....	7,094	9,910	9,530	3,210	29,734
Earth sidewalks formed and repaired, square feet.....	13,126	459,294	246,380	80,893	818,593
Earth sidewalks surfaced with ashes, square feet.....	180,901	110,341	19,640	113,484	524,366
Plank walks laid, new, linear feet.....	9,327	2,662	18,056	10,811	40,856
Plank sidewalks repaired, linear feet.....	440	19,244	198	1,134	21,016
Bluestone crosswalks relaid and repaired, square feet.....	5,798	2,437	23,930	15,077	52,139
Crosswalks laid, new, square feet.....	260	.....	356	639	1,255
Crosswalks, new, formed of native stone and ashes, square feet.....	4,815	751	.....	1,800	7,366
Crosswalks cleaned on macadamized and unpaved streets, square feet.....	22,916,015	16,190,360	14,634,040	13,199,050	66,939,675
Retaining-walls built, new, cubic yards.....	95	307	261	208	1,771
Retaining-walls repaired, cubic yards.....	24	335	433	989	1,041
Guard-rails erected along retaining-walls and embankments, new, linear feet.....	1,913	6,335	6,084	9,031	19,363
Guard-rails repaired, linear feet.....	524	4,117	4,933	190	9,674
Trees pruned.....	.....	1,097	1,181	463	2,741
Snow and ice removed from roadways and crosswalks, cubic yards.....	4,559	111,121	.....	.....	4,559
Stone step built, new, total length, linear feet.....	41	20	.....	.....	71
Wooden steps built, new, total length, linear feet.....	.....	4	81	30	55
Wooden steps repaired, total length, linear feet.....	.....	.....	.....	10	10
Monument boxes set, new.....	.....	8	.....	.....	8
Gutter bridge, new, linear feet.....	.....	.....	.....	23	23
Basin cover placed.....	.....	.....	.....	1	1

Nature of Work.	JANUARY 1 TO MARCH 31.	APRIL 1 TO JUNE 30.	JULY 1 TO SEPTEMBER 30.	OCTOBER 1 TO DECEMBER 31.	TOTAL.
Woods, etc., cut and removed from roadways and sidewalks, loads.....	.....	2,075	6,171	2,179	10,425
Trap-rock stone, 1½-inch size, cubic yards.....	65	1,147	2,008	8,337	11,557
Trap-rock screenings, cubic yards.....	14	89	359	9,359	9,811
Earth filling, cubic yards.....	5,385	25,123	91,715	9,504	127,727
Native stone, cubic yards.....	4,286	10,390	11,804	5,803	32,283
Sand, cubic yards.....	824	1,144	1,397	601	4,066
Ashes, cubic yards.....	1,472	1,315	495	1,050	4,332
Bridges replanked, square feet.....	8,628	10,401	7,324	7,008	33,359
Bridges repaired, square feet.....	.....	247	1,774	419	2,440
Bridges cleaned, square feet.....	36,364	127,000	192,000	141,000	496,364
Shopwork (for detailed report see Quarterly Report).....	.....	.....	.....	.....	.....
New macadam laid, miles.....	.....	.....	.....	9.43	9.43
Roads remacadamized, miles.....	.....	4.93	0.79	4.71	6.43
Revenue.....					
For restoring pavement.....	\$1,418 26	\$1,819 51	\$1,151 47	\$2,075 79	\$6,465 03
For various permits.....	230 25	300 75	245 15	117 60	994 75
Total.....	\$1,648 51	\$2,120 26	\$1,396 62	\$2,193 39	\$7,358 78
Permits issued, number.....	1,030	1,556	1,299	1,132	5,017

All of which is respectfully submitted,

CHARLES H. GRAHAM, General Superintendent of Maintenance.

Dated January 14, 1901.

DOCUMENT "H."

DEPARTMENT OF HIGHWAYS—BOROUGH OF BROOKLYN,
MUNICIPAL BUILDING, February 11, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways:

DEAR SIR—I beg to hand you the annual report of the Department of Highways, Borough of Brooklyn, for the year ending December 31, 1900, in which the work of the Department for the year is fully covered.

The following is a recapitulation of construction work done under the jurisdiction of this Department during the past year:

SUMMARY OF WORK DONE.

	MILES.	SQUARE YARDS.
Asphalt pavement laid.....	14.71	275,649
Granite pavement laid.....	4.57	36,317
Belgian block pavement laid.....	4.79	89,471
Brick pavement laid.....	1.13	24,003
Macadamizing.....	3.82	55,897
Cement walk laid.....	.....	1,069,792
Bluestone flagging.....	.....	328,501

The work carried out during the past year has been very satisfactory, and while only a start has been made in converting the streets of the borough into modern city roads with improved pavements, the results have been very gratifying, both with regard to condition and appearance. The past year is the first of the three since consolidation in which there has been a bond issue available against which to charge repaving improvements.

In carrying out repaving improvements provided for by bond issue the plan mentioned in the last yearly report has been followed out, and hardly a block of asphalt has been laid without forming a connection between smooth pavements. A valuable connection was formed in this way by repaving Carroll street, between Smith street and Prospect Park, West, and Summit street, between Henry street and Hamilton avenue, which created a continuous smooth road between the last-named street near Hamilton Ferry and Prospect Park. Other very valuable connections were formed by the repaving of Dean street, between Flatbush avenue and Franklin avenue; Amity street, between Hicks and Court streets, and St. Mark's avenue, from Albany avenue to Ralph avenue. Another important improvement was the repaving of Willoughby avenue and Suydam street, which connects the Twenty-seventh Ward with Bedford avenue, and consequently with every other part of the Borough. The last-named street is again one of the most important thoroughfares for driving and bicycling, which is due to the work done on same early in the spring, paid for out of the appropriation for the year 1899. A contract has been made for the laying of asphalt block on Bedford avenue, between Sterling place and Eastern Parkway.

During the past year there were about 12 miles of old stone pavements replaced by modern ones. This is the first repaving that has been done in the Borough of Brooklyn since consolidation, and there still remain about 300 miles of cobblestone and poor block pavements in this borough which should be replaced by more up-to-date pavements.

From the above it will be seen that with the small appropriation it is contemplated to allow this Department for repaving during the coming year, viz., \$700,000, it will be seriously handicapped in this respect, and I would respectfully recommend that the matter be brought to the attention of the Board of Estimate and Apportionment, that they may be impressed with the necessity for authorizing another bond issue, the proceeds to be used for repaving streets in this borough.

The past year is notable from the fact that nineteen contracts were entered into for grading and paving by assessment, thirteen of which have been carried out. Now that a beginning has been made in this respect, it is hoped that there will be a great deal more of this kind of work in the near future.

I am pleased to report that the greater part of the original improvements recommended by the Local Boards and authorized by the Municipal Assembly call for the improvement of the sidewalks at the same time the streets are paved. This plan is an excellent one, especially when the first improvements are for regulating, curbing and guttering. The work can in this way be done cheaper and it will tend to put the sidewalks of Brooklyn in a very creditable condition.

I would respectfully recommend that a small map be published by this Department showing the different kinds of pavements in the Borough of Brooklyn, with statistics concerning the same. We are continually in receipt of requests from wheeling associations and driving clubs for maps of this description, and they would be especially valuable in considering improvements asked for and the distribution of work of repaving to be done.

During the past year we have introduced a change in connection with the making of surveys and plans for original improvements by having the same made by engineers in the service of the Department of Highways in this borough, and have found that the results have been very satisfactory.

Several assistant engineers connected with this Department were early in the year transferred to the Rapid Transit Commission, in consequence of which this Department will be short handed in preparing plans for work to be done next season, and it is necessary to secure the services of a couple of new men to assist in this work.

For information in detail concerning the work of this Department during the past year, I refer you to report of the Engineer and tables appended thereto, herewith submitted.

Respectfully,

THOS. R. FARRELL,
Deputy Commissioner of Highways, Borough of Brooklyn.

DEPARTMENT OF HIGHWAYS,
BOROUGH OF BROOKLYN—NEW YORK CITY,
ENGINEER'S OFFICE, February 2, 1901.

Hon. THOMAS R. FARRELL, Deputy Commissioner of Highways:

SIR—I have the honor to submit the following report of the engineering work of the Department of Highways, in the Borough of Brooklyn during the year 1900. The net results of the year's work are quite satisfactory, and the improvement which has taken place in the appearance of the streets of the borough is conspicuous, though only a beginning has been made in converting them into modern city roadways. The improvements made are indicated by the following statement:

New Work Done under Public Contracts, and Cost Assessed upon the Property Benefitted.

	MILES.	SQUARE YARDS.
Asphalt paving.....	4.95	74,728
Granite paving.....	0.82	10,992
Belgian-block paving.....	2.79	49,773
Macadamizing.....	9.17	37,342
Flagging laid, square feet.....	.....	225,952
Cement walks laid, square feet.....	.....	36,999

a Includes 19,713 square yards paid out of Common Lands Fund, late Town of Gravesend.
b Includes 86,232 square feet laid in connection with grading and paving contracts.

New Work Done by Private Contract at Expense of Abutting Owners but under the Inspection of this Department.

	MILES.	SQUARE YARDS.
Asphalt paving.....	0.43	7,095
Granite paving.....	0.19	3,747
Brick paving.....	0.99	18,754
Macadamizing.....	1.05	25,055
Flagging laid, square feet.....	.....	89,531
Cement walks laid, square feet.....	.....	1,012,863

Repaving Paid for by the City from the Issue of Bonds and from the Appropriation for Repaving.

	MILES.	SQUARE YARDS.
Asphalt paving.....	10.23	196,436
Granite paving.....	1.86	39,578
Brick paving.....	0.34	5,994

Summary of Work Done.

	MILES.	SQUARE MILES.
Asphalt pavement laid.....	14.71	279,649
Granite pavement laid.....	2.87	59,317
Belgian-block pavement laid.....	2.79	49,773
Brick pavement laid.....	1.33	24,008
Macadamizing.....	1.82	25,997
Flagging laid, square feet.....	.....	327,391
Cement walk laid, square feet.....	.....	1,069,792

The aggregate cost of the above work—that done by private contract being estimated—was \$1,598,773.

The year has been a notable one, owing to the fact that the first bond issue for repaving since consolidation has been available, and also from the fact that the first nineteen contracts have been made for grading and paving by assessment, the estimated cost of which is \$436,307. Thirteen of these contracts have already been carried out. This indicates that the machinery of the new Charter is in motion, and during the next few years there will doubtless be a much larger amount of such work. The assessable street improvements already authorized by the Municipal Assembly, but for which contracts have not yet been made, are shown by Table No. IX.

In addition to these, there have been passed by the Council, and are now pending in the Board of Aldermen, fourteen ordinances, authorizing grading and paving, estimated to cost \$152,200, while there have been transmitted by the Board of Public Improvements to the Council, where no action has yet been taken, ten similar ordinances for improvements, the estimated cost of which is \$154,250. It is a significant fact that of these twenty-four ordinances, seventeen call for asphalt paving.

The greater part of the original improvements recently recommended by the Local Boards, and authorized by the Municipal Assembly, provide for improving the sidewalks at the same time that the street is paved. This is an excellent plan, especially so where the first improvements are simply for regulating, curbing and guttering; and had this policy been followed in the past, our sidewalks all over the borough would have been in a much more creditable condition. This policy will also result in greater economy, especially where streets are to be paved with asphalt, for in this preliminary work of grading, curbing and flagging are let separately there will be much greater competition and consequently lower prices.

The prices recently bid for flagging under these contracts have been from 25 to 28 cents per square foot, and in one instance the lowest bid was 35 cents. This is much higher than it ought to be, although the specification was a very rigid one, calling for flags 3 inches in thickness. Excellent cement sidewalks can be laid for about half the price paid for flagging, an extensive improvement of this kind having been carried out during the past year on Fort Hamilton avenue, between Bay Ridge avenue and Eighty-sixth street, where the contract price for the cement sidewalk was 14.2 cents per square foot. An objection which may be raised to the laying of this kind of sidewalk before the streets are well built up is, that when water, sewer and gas connections are put in, the flags cannot be taken up and replaced, and must either be broken up or, if tunneling under them is permitted, they will be likely to settle. In a properly laid cement sidewalk I do not think there is much danger of such settlement, if the tunneling or boring is carefully done; and it will prove to be much more economical and more satisfactory, in my judgment, to provide more generally for sidewalks of this kind.

It will be noticed that the cost of street paving has been higher during the past year than it has previously been in Brooklyn, and that we have consequently been able to do less work with the money available. This has been especially the case with asphalt paving. Many things seem to have conspired to cause this advance in prices, and to make a marked difference between the cost of paving and repaving during the past year, and that of similar work done in Brooklyn in 1897. There was then a lively competition between the different asphalt companies, of which there is now little evidence. Contracts for such pavements are now made with a guarantee of maintenance for ten years, instead of five, and Portland cement concrete has been used for a foundation on all repaving contracts. There has also been a disposition on the part of other Departments to insist upon every refinement which can be read into our specifications, as to curb dressing and other detail work, and contractors' payments are often withheld for weeks for reasons which, I confess, seem to me in many cases to be trifling. All of these causes, together with the present labor laws and the general advance in the prices of material, have considerably increased the cost of all work. My views as to the length of the period of maintenance for asphalt contracts and as to the use of Portland cement for foundations were fully expressed in last year's report, and I have seen no reason to

change them. The ten-year period of maintenance on asphalt contracts was adopted to make a uniform practice in all the boroughs, and Portland cement has also been used for the foundation under repaving contracts, as in Manhattan, and to avoid in some measure the annoyance caused by disagreements and charges of inferior work which have been made by other departments. Natural cement has been used on all assessment work, as it is somewhat cheaper, and gives very satisfactory results.

We have been criticised for using it by some who seem to judge the value of a cement for such purposes solely from the apparent hardness of the concrete within a short time after it has been placed in position, and who have evidently had little experience in the use of natural cements. The fact that of the 17,628,833 barrels of cement used in the United States in 1899, 62 per cent. was natural rock cement, shows that it is still highly esteemed by those using cements understandingly.

It should be remembered that the repaving done during the year was the first to be done in the Borough of Brooklyn since the organization of this Department under the present Charter. That is, that \$700,000 have been allowed for this purpose in three years.

There are not less than 300 miles of cobble-stone and poor block pavements in this borough which should be replaced by modern pavements. A little over twelve miles of old stone pavements were replaced by modern ones during the past year, so that at this rate it would require twenty-four years to place the streets of Brooklyn in good condition. When such vast sums are being expended for other purposes, it must be admitted that the streets of this borough are not receiving the consideration which they deserve.

The total cost of the street improvements carried out was \$1,598,773, and of this \$789,805.73, or 49 per cent., was assessed upon the property benefited, the remainder, or 51 per cent., having been furnished by the issue of bonds, or by general taxation.

With the present popularity of asphalt as a paving material, the maintenance of such pavements when laid becomes one of the most important problems confronting the Department. The illogical and unbusinesslike methods which have prevailed in the past have been frequently commented upon in these reports. Owing to delays which have occurred in making contracts for repaving these pavements they have at critical times received no attention and have fallen into such bad repair that the cost of once more putting them in proper condition has been very great. All of the pavements in the borough have been divided into several groups or classes according to their age, condition or the traffic carried by them and a separate contract made for each class, a price per square yard being bid for putting each street in its class in good condition and maintaining it in such condition for one year from the date of the contract. In the case of the contracts now in force an interval of nearly nine months, including one winter, elapsed between the expiration of the last and the signing of the present ones. The prices per square yard of surface maintained have, consequently, been very high. They are high even when allowance is made for the fact that the work covers in some cases almost two years of maintenance instead of one. What is believed to be an effective remedy has already been suggested, and a new specification is now in course of preparation under which only the amount of material actually used will be paid for. While it will still be expensive to allow the pavements to fall into bad condition between the expiration of one contract and the making of another, it will not be necessary for the contractors to guess at the amount of work to be done (and there is no doubt but that they will guess safely), but knowing that they will be paid for every cubic foot of material used these contracts can be reduced to a business-like basis.

Another, but a far more complex and difficult question which the extension of asphalt pavement is bringing to the front is that of the effect upon such pavements of illuminating gas which is constantly escaping in greater or less quantity from the mains and services of which our streets are full. The local conditions are somewhat peculiar. Up to within a few years there were some half a dozen separate companies manufacturing and distributing gas in the City of Brooklyn. While each of these companies originally had a well defined territory which it served, they began during the early nineties to encroach upon each other's preserves, and many miles of mains were laid in streets already occupied by those of another company. In fact, an active "gas war" raged for several years when the inevitable consolidation was brought about. Meanwhile, miles of unnecessary mains were laid and in many cases the work was very hastily and carelessly done.

The manufacture of gas at some of the old plants was stopped, the receivers at these points being supplied with gas forced from other plants through mains laid not for force mains, but for distribution. This increased pressure in mains not laid for the purpose naturally resulted in enormous leakage. It has been estimated that such leakage from the mains and services of the Brooklyn Union Gas Company is 13 per cent. of the total amount produced, or about 800,000 cubic feet per mile of main annually. In the Fourteenth Annual Report of the United States Department of Labor statistics are given concerning a large number of private and municipal gas works. These include 28 works, producing 100,000,000 cubic feet and over annually, and the loss by leakage in these 28 works varies from 3 to 15 per cent., while in some of the smaller works the loss by leakage frequently reaches 30 per cent. This estimate of the loss in Brooklyn, therefore, does not seem extravagant. The serious effects of escaping gas was first noticed on some of the streets where mains were hastily laid during the period of competition for new consumers, already referred to. These effects are plainly shown by the illustrations given which are from photographs taken during the past season. The fine checking of the surface usually appears first, and this is followed by a total disintegration of the pavement. A great many tests have been made by driving bars through the pavement where the surface has been thus affected and gas has been usually found, often in such quantities that it burned fiercely, and the flame could with difficulty be extinguished. Examinations made at these places by the gas company has shown leaky joints, and in a number of cases broken mains. The connection between this peculiar appearance of asphalt pavements and leaking gas-mains has been clearly established. In two cases the original contract for maintenance of the asphalt has expired, and the contractors have declined to repair places where the pavement was evidently damaged by gas, on the ground that they were not caused by any defect in materials or workmanship, nor to any neglect on their part, and that their contract did not cover the repair of damage caused by a corporation occupying the streets any more than if such damage had been deliberately inflicted upon the surface. The question has been referred to the Corporation Counsel for advice as to what action should be taken to compel the contractors, if responsible, to put the pavements in proper condition.

It will be readily seen that the question is one of the importance of which can scarcely be exaggerated, and I hope to make it the subject of a special report which will treat it much more thoroughly than is possible in this connection.

Reference was made in my report of last year to the successful development of residential property by the owners under private contracts. The work of this kind done during the year by Mr. Dean Alvord at Prospect Park, South, is especially worthy of mention, and I submit a view of Albemarle road showing a novel manner of treating a street which, under ordinary conditions, would have a roadway only 42 feet in width, and also one of East Sixteenth street, where the unusual depth of the lots on one side permitted the introduction of an irregular parkway for a portion of the block. These improvements were completely carried out before the streets were reded to the City, and as such an agreeable departure from the conventional treatment could with difficulty have been made under the routine necessarily followed in making such improvements in the usual manner, private enterprises when conducted along such lines cannot but be encouraged.

The distribution of the repaving provided for by the issue of bonds appears to have given general satisfaction, and the plan outlined in last year's report has been consistently adhered to. Scarcely a block of asphalt was laid but connects with smooth pavements already in existence, and many of the improvements furnish especially valuable connections. This is particularly true of the repaving of Carroll street, from Smith street to Prospect Park, West—by means of which, together with the repaving of Summit street, from Henry street to Hamilton avenue—a continuous route is established between the last-named street near Hamilton ferry, and Prospect Park.

The repaving done on Willoughby avenue and Snydam street has at once connected the heart of the Twenty-seventh Ward, a district in which smooth pavements were almost unknown, directly with Bedford avenue, and thereby with every other part of the borough.

The repaving of a considerable portion of Bedford avenue, which was paid for out of the appropriation for 1899, and which was done early in the year, has made a great change in this street, which is again one of the most popular thoroughfares for driving. A contract has also been made for repaving that part of Bedford avenue, between Sterling place and Eastern parkway, with asphalt blocks, and the work will be done in the spring.

Information about the present amount of smooth pavement in this borough is so often asked that I would recommend the publication of a small map, showing the different kinds of pavements with certain statistics concerning them. Such a map would be especially valuable in discussing improvements which are asked for and in distributing the work of repaving to be done. Such maps are continually asked for also by wheeling associations and driving clubs.

There is nothing in our experience during the past year more gratifying than the results obtained in making all our own surveys and plans for original improvements, instead of depending upon outside surveyors for this work. The work has been new for our men, and it has seemed at times as if very slow progress was being made, but it has been done with care and accuracy; our records are very complete, and the work done by each man bears his own signature and can be referred to at any time. Mr. H. J. Barker, the Assistant Engineer in charge of these surveys has worked very faithfully to insure the success of the new plan.

The work done in our chemical laboratory was becoming more valuable every year, and I must admit that there was a feeling of considerable disappointment on my part when it was moved to Manhattan to become the general laboratory for the Department. Its equipment, and doubtless its efficiency have been improved, but as the chemist's time was fully occupied in doing the work in this borough before its removal, and as he has had an assistant provided for him it naturally follows that with the work of the entire city to look after there has been much greater delay in getting results for Brooklyn than was formerly the case. Mr. Broad-

hurst has done some excellent work for us when his time would permit, and several of his reports have been of special value. The physical tests of cement have been made in Brooklyn, and the work has been promptly and satisfactorily done. Tests have been made of 26 different brands of cement during the year. Of one brand 125 different lots were tested and of another brand 80 lots. As many of these tests were carried through to one, three and six months, both neat and with sand, and as not less than four briquettes are broken to determine the strength for any period, it will be seen that thousands of briquettes have been made and broken during the year.

Several of our most valuable Assistant Engineers were early in the year transferred to the Rapid Transit Commission and their efficient work has been greatly missed. It will probably be necessary to secure a couple of new men in their places early in the year to assist in the preparation of plans for work to be done next season. The work in progress during the past year has been under the immediate personal supervision of Mr. George W. Tillson, Principal Assistant Engineer, and has been thoroughly done.

The amount of this work and its wide distribution over the borough are shown by the accompanying tables.

These tables, besides giving valuable statistical information show all paying done by contract and by day's labor under the supervision of the Superintendent of Streets and Roads, with the general work of repairs to stone pavements, the work done by the repair gangs, the sprinkling of macadamized roads, the work done by various corporations having franchises entitling them to the use of the public streets, to all of which tables I beg to refer you for more detailed information.

Respectfully,

N. P. LEWIS, Engineer of Highways.

Statement of Expenditures Charged to Bond Issue for Repaving Authorized by Board of Estimate and Apportionment February 3, 1899, and by the Municipal Assembly October 11, 1899.

STREETS REPAVED.	TOTAL COST, INCLUDING RETAINED PERCENTAGES AND INSPECTION.	KIND OF PAVEMENT.
Greene avenue, from Stuyvesant to Bushwick avenue.....	\$38,295 40	Asphalt.
Greene avenue, from Clinton avenue to St. James place; Greene avenue, from Grand to Classon avenue.....	24,780 87	"
Hudson street, from Howard avenue to Broadway.....	15,663 30	"
Summit street, from Hamilton avenue to Henry street.....	16,928 15	"
Carroll street, from Smith street to Prospect Park, West.....	40,699 28	"
Amity and Dean streets, from Hicks to Nevins street.....	33,579 66	"
Dean street, from Flatbush to Franklin avenue.....	78,550 96	"
Pacific street, from Nostrand to Brooklyn avenue.....	10,987 56	"
Pacific street, from Kingston to Albany avenue.....	10,771 60	"
St. Mark's avenue, from Albany to Ralph avenue.....	62,070 86	"
McDonough street, from Stuyvesant to Reid avenue.....	11,519 25	"
Macon street, from Tompkins to Throop avenue.....	10,879 00	"
Willoughby avenue, from Bedford to Nostrand avenue.....	24,183 88	"
Willoughby avenue, from Throop avenue to Broadway.....	18,646 21	"
Suydam street, from Myrtle to Knickerbocker avenue.....	28,160 30	"
President street, from Sixth to Seventh avenue.....	7,840 25	"
Sackett street, from Hoyt to Bond street.....	7,970 60	"
Degraw street, from Court to Bond street.....	44,137 25	"
Fifty-fifth street, from First to Third avenue.....	17,018 00	"
Keap street, from Wythe to Bedford avenue; Keap street, from Division avenue to Broadway.....	15,720 44	"
Gold street, from Front to Water street.....	2,788 35	Granite.
Van Brunt street, from Irving street to Hamilton avenue.....	24,518 58	"
Harrison street, from Bulkhead to Columbia street.....	8,979 84	"
Pearl street, from Sands to John street.....	12,667 92	"
Knickerbocker avenue, from Johnson avenue to Harrison place; Knickerbocker avenue, from Flushing avenue to Thame street.....	23,911 90	"
Stagg street, from Union to Graham avenue.....	26,088 00	"
Total cost of completed contracts.....	\$662,955 49	

STREETS REPAVED.	TOTAL COST, INCLUDING RETAINED PERCENTAGES AND INSPECTION.	KIND OF PAVEMENT.
Amount paid on uncompleted contracts including inspection—		
Gold street, from John to Water street; Gold street, from Front to Prospect street; Gold street, from Sands to Fulton street.....	12,740 55	Granite.
Estimated cost to complete Gold street contract.....	39,600 00	"
Estimated cost of contracts not begun—		
Adams street, from Sands street to East river.....	17,750 00	"
Bedford avenue, from Butler street to Eastern Parkway.....	15,500 00	Asphalt block.
Special inspection paid from account.....	192 00	
Engineering charges to January 31, 1901.....	9,933 99	
Total estimated expenditures.....	\$751,071 94	
Amount of bond issue with premium.....	776,860 00	
Estimated balance available.....	\$25,788 06	

Statement of Expenditures Charged to Appropriation for Repaving Streets and Avenues for the Year 1900.

STREETS COMPLETED.	COST, INCLUDING RETAINED PERCENTAGE.	KIND OF PAVEMENT.
Decatur street, from Tompkins to Throop avenue.....	\$9,117 20	Asphalt on cobble-stone.
Lafayette avenue, from Vanderbilt to Waverly avenue.....	6,065 05	Asphalt on granite block.
Macon street, from Arlington place to Nostrand avenue.....	4,550 99	Asphalt on cobble-stone.
Monroe street, from Stuyvesant to Reid avenue.....	9,602 97	Asphalt on cobble-stone.
Total cost of completed contract.....	\$29,336 21	
Estimated cost of contract made but not registered—St. Mark's place, from Third to Fourth avenue.....	8,500 00	Cobble-stone.
	\$37,836 21	
Amount of appropriation as reduced by transfer.....	50,000 00	
Estimated amount available for repaving.....	\$12,163 79	

It is proposed to use this balance for the repaving of Decatur street, from Reid to Patchen avenue, with asphalt on concrete foundation. Plans and specifications for this work have been forwarded, but bids have not yet been asked.

LIST OF TABLES ACCOMPANYING REPORT OF ENGINEER OF HIGHWAYS, BOROUGH OF BROOKLYN, FOR THE YEAR 1900.

- I.—Areas, lengths and percentages of pavements.
- II.—Mileage and percentage since January 1, 1880.
- III.—Areas of wards.
- IV.—Asphalt laid in 1900.
- V.—Stone pavement laid in 1900.
- VI.—Brick pavement laid in 1900.
- VII.—Grading and macadamizing, 1900.
- VIII.—Contracts in progress and in force, December 31, 1900.
- X.—Work of repair gangs.
- XI.—Macadamized streets sprinkled, 1900.
- XII.—Work done by corporations.
- XIII.—Openings made in asphalt and brick pavements, 1900.
- XIV.—Flagging, driveways, etc.
- XV.—Cement sidewalks laid.
- XVI.—Cements treated.
- XVII.—Preliminary estimates.
- XVIII.—Miscellaneous.

TABLE I.

Showing Areas, Lengths and Percentages of the Various Kinds of Pavement in the Borough of Brooklyn, New York, January 1, 1901.

WARD.	LENGTH IN FEET.							AREA IN SQUARE YARDS.						
	Asphalt.	Granite.	Cobble.	Belgian.	Macadam.	Brick.	Total.	Asphalt.	Granite.	Cobble.	Belgian.	Macadam.	Brick.	Total.
First.....	29,804	11,652	7,238	5,754	.....	.....	54,139	80,925	46,677	20,786	17,651	.....	.....	165,439
Second.....	.....	15,316	2,032	824	.....	268	24,214	.....	46,097	20,796	3,117	.....	600	70,510
Third.....	52,724	14,199	9,456	.....	.....	972	38,400	43,408	64,950	29,176	.....	.....	4,884	140,418
Fourth.....	.....	19,420	12,365	.....	.....	.....	31,785	.....	65,077	33,837	.....	.....	.....	98,914
Fifth.....	214	9,954	22,971	.....	.....	.....	33,139	715	31,146	36,516	.....	.....	.....	68,377
Sixth.....	10,536	22,140	27,752	7,670	.....	.....	68,307	31,298	82,779	89,375	29,474	.....	.....	223,926
Seventh.....	23,886	22,469	22,812	7,548	.....	.....	100,721	94,252	94,698	184,077	4,093	.....	.....	378,720
Eighth.....	2,276	29,710	104,742	22,811	.....	.....	162,639	7,435	154,479	379,433	98,224	.....	.....	630,583
Ninth.....	31,826	24,657	23,252	2,905	3,100	9,511	201,265	224,377	161,399	93,036	19,970	20,657	20,301	479,943
Tenth.....	6,487	25,216	30,122	5,723	.....	.....	67,548	22,487	90,061	100,826	19,118	.....	.....	235,478
Eleventh.....	2,815	16,330	30,151	7,390	.....	.....	46,686	8,850	68,228	63,720	5,251	.....	.....	176,058
Twelfth.....	.....	29,588	58,800	.....	.....	.....	88,388	.....	107,616	120,037	.....	.....	.....	227,654
Thirteenth.....	8,258	18,931	30,807	.....	.....	.....	58,996	22,441	70,199	100,662	.....	.....	.....	203,302
Fourteenth.....	3,478	38,148	29,254	4,983	.....	.....	65,860	11,103	133,396	63,682	16,061	.....	.....	224,442
Fifteenth.....	4,259	13,521	14,201	655	.....	932	57,027	14,801	59,009	129,808	3,057	.....	3,193	220,692
Sixteenth.....	5,229	18,064	24,843	2,795	.....	.....	50,921	20,944	69,567	116,874	8,022	.....	.....	225,375
Seventeenth.....	8,654	37,884	55,661	6,589	.....	4,324	113,113	29,360	152,401	120,486	25,780	.....	12,166	401,291
Eighteenth.....	1,179	24,093	30,476	2,058	.....	.....	72,806	5,169	92,670	112,178	30,549	.....	.....	261,599
Nineteenth.....	23,666	26,296	33,767	2,475	.....	422	88,630	95,379	118,388	131,622	9,256	.....	7,351	345,797
Twentieth.....	22,077	25,025	30,373	903	.....	.....	78,448	71,022	106,737	125,069	3,622	.....	.....	309,866
Twenty-first.....	14,899	18,333	62,021	.....	.....	.....	100,252	59,031	75,634	250,738	.....	.....	.....	385,423
Twenty-second.....	40,021	24,521	65,339	30,422	.....	.....	160,303	146,556	118,394	250,864	114,485	.....	.....	624,299
Twenty-third.....	59,327	20,323	66,589	622	358	722	147,777	226,074	69,375	250,561	2,463	2,359	3,169	545,794
Twenty-fourth.....	36,823	6,432	74,194	15,027	22,264	210	145,144	145,043	241,197	265,090	75,020	67,372	2,016	578,668
Twenty-fifth.....	10,921	12,609	86,622	4,889	2,262	.....	117,381	61,832	82,272	326,893	10,310	960	.....	481,669
Twenty-sixth.....	35,854	21,222	13,532	21,309	27,225	7,059	126,171	125,557	111,223	47,920	29,165	57,872	47,049	679,244
Twenty-seventh.....	1,855	19,732	47,085	2,621	.....	622	72,835	22,669	73,593	158,293	30,194	.....	2,022	276,781
Twenty-eighth.....	7,852	23,223	100,064	5,092	.....	836	146,028	27,599	20,641	371,930	18,019	.....	5,091	518,110

WARD.	LENGTH IN FEET.							AREA IN SQUARE YARDS.						
	Asphalt.	Granite.	Cobble.	Belgian.	Macadam.	Brick.	Total.	Asphalt.	Granite.	Cobble.	Belgian.	Macadam.	Brick.	Total.
Twenty-ninth.....	29,126	.....	.....	.....	25,891	2,065	75,383	22,980	.....	.....	.....	225,800	10,367	309,297
Thirtieth.....	140	345	.....	23,760	211,356	4,940	230,566	1,625	2,715	.....	12,774	591,890	17,787	755,792
Thirty-first.....	2,998	10,000	.....	.....	134,300	.....	146,328	15,400	63,467	.....	.....	464,346	.....	543,433
Thirty-second.....	.....	.....	.....	.....	8,458	.....	8,458	.....	.....	.....	.....	53,758	.....	53,758
Totals.....	44,330	61,350	1,200,038	247,448	434,690	27,001	2,060,011	1,370,108	2,901,453	4,176,699	379,523	1,543,977	117,663	10,805,449
Miles.....	82.26	117.34	227.30	46.86	82.32	3.12	560.98	.....	.....	.....	.....	.....	.....	.....
Percentage of pavement.....	14.664	20.881	40.548	8.353	14.673	0.911	100.00	.....	.....	.....	.....	.....	.....	.....

TABLE II.

Showing Mileage and Percentage of the Various Pavements in the City and Borough of Brooklyn from January 1, 1880, to January 1, 1901.

YEAR.	ASPHALT.		GRANITE.		COBBLE.		BELGIAN.		MACADAM.		WOOD.		TOTAL.
	Miles.	Per Cent.	Miles.	Per Cent.	Miles.	Per Cent.	Miles.	Per Cent.	Miles.	Per Cent.	Miles.	Per Cent.	
January 1, 1880.....	7.199	2.43	16.630	4.95	202.928	57.25	17.200	5.12	0.798	0.23	1.090	0.39	235.735
" 1, 1881.....	7.039	2.48	17.050	5.00	202.458	58.21	17.300	5.11	0.798	0.23	0.790	0.21	235.465
" 1, 1882.....	6.699	1.97	17.430	5.14	201.548	57.17	17.250	5.09	1.398	0.48	0.790	0.22	239.005
" 1, 1883.....	7.379	2.17	19.230	5.86	204.348	58.63	17.250	5.07	1.588	0.47	.....	.....	329.793
" 1, 1884.....	7.379	2.16	19.230	5.83	204.718	58.66	17.250	5.06	1.688	0.49	.....	.....	341.261
" 1, 1885.....	7.379	2.14	19.230	5.58	209.078	59.76	17.250	5.04	1.688	0.48	.....	.....	344.671
" 1, 1886.....	6.499	1.86	22.050	6.35	209.658	59.31	17.360	5.00	1.688	0.48	.....	.....	347.423
" 1, 1887.....	6.499	1.82	24.410	6.87	204.198	58.52	17.360	4.87	2.816	0.79	.....	.....	355.375
" 1, 1888.....	6.499	1.79	27.070	7.40	207.871	59.86	17.360	4.80	2.816	0.76	.....	.....	361.308
" 1, 1889.....	10.497	2.81	36.382	9.64	204.865	59.72	23.000	6.09	2.816	0.74	.....	.....	377.489
" 1, 1890.....	10.847	2.82	38.252	10.00	204.111	59.77	23.652	6.63	2.816	0.72	.....	.....	386.776
" 1, 1891.....	11.676	2.97	34.405	10.78	209.913	60.63	27.480	6.93	2.816	0.69	.....	.....	396.313
" 1, 1892.....	12.069	3.07	32.528	10.07	205.543	60.08	29.200	7.22	2.816	0.67	.....	.....	406.143
" 1, 1893.....	12.040	3.10	38.702	11.06	209.263	60.24	37.646	8.93	2.816	0.69	.....	.....	421.366
" 1, 1894.....	14.078	3.25	31.009	10.98	204.126	59.42	42.851	9.64	2.816	0.65	Brick.		433.900
" 1, 1895.....	18.845	3.80	38.870	10.34	204.321	59.49	42.157	8.67	2.816	0.62	.....		466.069
" 1, 1896.....	27.570	5.53	109.431	31.90	209.102	59.00	42.833	8.59	2.406	0.61	0.523	0.07	498.263
" 1, 1897.....	28.104	7.42	110.550	31.48	201.465	59.80	44.463	8.64	2.816	0.61	1.105	0.22	514.661
" 1, 1898.....	31.590	11.73	111.365	31.12	201.784	59.12	44.351	8.46	2.816	0.61	2.449	0.47	534.155
" 1, 1899.....	65.99	17.956	112.87	30.962	207.96	59.493	45.33	8.415	2.816	0.61	3.76	0.798	538.41
" 1, 1900.....	68.82	19.559	114.628	30.916	205.85	59.224	45.33	8.372	2.816	0.61	3.76	0.682	547.07
" 1, 1901.....	82.26	24.664	117.148	30.381	207.30	59.518	45.86	8.353	2.816	0.61	4.673	0.911	560.98

* Includes 0.13 miles oblong trap.

TABLE III.

Showing the Area of the Different Wards of the Borough of Brooklyn.

WARD NO.	BLOCK AREA.	STREET AREA.	PARK AREA.	CEMETERY AREA.	CANAL AREA.	MISCELLANEOUS.	TOTAL AREA IN ACRES.
First.....	103.3	66.9	2.2	.....	.....	.....	172.4
Second.....	66.8	30.9	.....	.....	.....	.....	97.7
Third.....	106.8	54.6	.....	.....	.....	.....	161.4
Fourth.....	71.2	40.0	.....	.....	.....	.....	111.2
Fifth.....	81.8	35.6	.....	.....	.....	.....	117.4
Sixth.....	202.9	101.0	.....	.....	.....	.....	303.9
Seventh.....	311.7	146.8	.....	.....	.....	.....	458.5
Eighth.....	929.1	436.0	15.6	462.2	.....	.....	1,843.2
Ninth.....	356.8	195.1	71.7*	.....	.....	.....	623.6
Tenth.....	215.9	94.7	1.9	.....	6.2	.....	318.7
Eleventh.....	115.7	68.9	28.7	.....	.....	26.3 Navy Yard.....	219.6
Twelfth.....	453.4	161.1	3.1	.....	2.5	40.8 Atlantic Basin.....	663.1
Thirteenth.....	152.7	77.6	.....	.....	.....	.....	230.3
Fourteenth.....	186.7	95.8	.....	.....	.....	.....	282.6
Fifteenth.....	159.7	85.1	.....	.....	.....	.....	244.8
Sixteenth.....	157.3	87.5	.....	.....	.....	.....	244.8
Seventeenth.....	553.3	233.9	9.1	.....	7.0	.....	803.3
Eighteenth.....	568.6	271.7	6.9	.....	25.8	.....	873.0
Nineteenth.....	223.2	151.8	0.04	.....	6.3	17.3 Wallabout Market; 17.2 U. S. Hospital.....	423.24
Twentieth.....	201.1	118.1	14.9	.....	.....	26.2 Navy Yard; 28.6 Wallabout Market.....	401.5
Twenty-first.....	324.4	158.8	.....	.....	.....	.....	483.2
Twenty-second.....	524.9	222.7	482.8	.....	11.2	.....	1,261.6
Twenty-third.....	488.0	230.3	7.8	.....	.....	.....	726.0
Twenty-fourth.....	799.7	286.7	12.1	.....	.....	.....	1,098.5
Twenty-fifth.....	567.2	107.4	3.0	.....	.....	.....	677.6
Twenty-sixth.....	6,342.6	1,137.9	27.3	145.3	47.9	169 Reservoir Lands.....	3,738.0
Twenty-seventh.....	261.5	126.4	20.8	.....	.....	.....	408.7
Twenty-eighth.....	513.0	207.5	2.8	201.1	.....	.....	924.4
Twenty-ninth.....	2,439.7	1,266.3	.....	54.2	.....	36.2.....	3,800.0
Thirtieth.....	1,126.2	1,589.7	340.0	32.0	.....	109.3 Fort Hamilton.....	3,107.1
Thirty-first.....	6,132.2	1,999.9	.....	.....	120.1	.....	8,252.2
Thirty-second.....	1,565.1	1,825.3	.....	.....	29.1	.....	3,419.5†
Acres.....	24,428.3	11,976.3	1,049.74	791.7	271.2	.....	39,007.64
Square Miles.....	38.262	18.713	1.640	1.242	0.392	.....	60.977

* Includes East Side Lands.

† Does not include marsh land nor islands in Jamaica Bay which belong to this ward.

TABLE IV.
Statement Showing Amount of Asphalt Pavement Laid during the Year ending December 31, 1900.

STREET.	PAID FROM WHAT FUND.	CHARACTER.	FOUNDATION.	TRUCK- MESS.		RE- PLACES WHAT.	Pavement Square Yards.	Price per Square Yard In- cluding Foundation.	CURB, LINEAR FEET.		Excavation, Cubic Yards.	Embankment, Cubic Yards.	Length.	Width of Roadway.	INSPECTION.		TOTAL COST.	WHEN COM- MENCED.	WHEN FIN- ISHED.	CONTRACTOR.
				Blind.	Wearing Surface.				New.	Old.					Amount.	Per Cent.				
Albion road, between East Thirteenth and East Four- teenth streets.....	Private.....	Alcatraz.	6-in. concrete....	1	2	New....	952	.....	.....	.....	.....	.....	230	15	.....	.....	.....	1900.	1900.	Brooklyn Alcatraz Asphalt Com- pany.
Amity street, between Hicks and Court streets, and Dean street, between Court and Nevins streets.....	Paving Bond Fund.....	Trinidad.	5-in. "	1	2	Cobble.	14,862	\$1 11	7,195	1,179	.....	.....	4,311	24 34	244 00	.0045	33,564 66	June 13	Aug. 3	Cranford & Co.
Bedford avenue, between Hay- ward street and De Kalb avenue.....	Labor, Maintenance and Supplies—1899	"	6-in. "	1	2	Asphalt	17,218	\$ 55	6,667	339	.....	.....	1,563	43	936 00	.0046	31,669 30	Apr. 2	June 12	"
Bedford avenue, between Ques- ey street and Atlantic avenue.....	Labor, Maintenance and Supplies—1899	"	6-in. "	1	2	"	13,579	\$ 58	3,905	1,377	.....	.....	2,983	42	236 00	.0060	39,453 40	May 9	" 27	"
Berry street, between North Thirteenth and North Four- teenth streets, and Nassau avenue, between North Fourteenth and Lorimer streets.....	Street Improvement Fund.....	Bermudes	6-in. "	1	2	New....	4,613	\$ 87	8,820	.....	3,319	289	1,366	30	140 00	.0068	20,508 59	Aug. 20	Oct. 23	Eastern Bermudes Asphalt Paving Company.
Carroll street, between Smith street and Prospect Park, West; Smith street, be- tween First place and Car- roll street; Hoyt street, between Carroll and Carroll streets.....	Paving Bond Fund...	Alcatraz.	Belgian and 5-in. concrete	1	2	Belgian and cobble.	99,205	\$ 72 1 13	11,888	1,092	.....	.....	7,819	24 30	637 08	.0079	80,599 18	Oct. 4	Dec. 29	Brooklyn Alcatraz Asphalt Com- pany.
Copper street, between Ham- burg avenue and County line.....	Street Improvement Fund.....	Bermudes	6-in. concrete....	1	2	New....	1,308	\$ 87	1,790	31	2,187	.....	1,008	30	88 00	.0091	15,046 39	Aug. 28	Nov. 16	Eastern Bermudes Asphalt Paving Company.
Dean street, between Flatbush and Franklin avenues.....	Paving Bond Fund.....	Trinidad.	5-in. "	1	2	Cobble.	21,996	\$ 10	10,493	439	.....	.....	5,730	34	316 00	.004	78,550 96	July 12	Sept. 14	Cranford & Co.
Decatur street, between Tomp- kins and Throop avenues.....	*Special Appropriation	Bermudes	Old cobble.....	1	2	"	2,825	\$ 83	1,169	335	.....	.....	750	34	42 00	.0032	9,165 20	Nov. 2	Dec. 22	Eastern Bermudes Asphalt Paving Company.
Degraw street, between Court and Bond streets.....	Paving Bond Fund.....	"	5-in. concrete....	1	2	"	6,897	\$ 08	3,193	673	.....	.....	1,968	30	136 00	.0056	24,737 25	June 29	Aug. 3	Eastern Bermudes Asphalt Paving Company.
East Fourteenth street, between Church avenue and Beverly road.....	Private.....	Alcatraz.	6-in. "	1	2	New....	4,631	.....	.....	.....	.....	.....	1,371	30	.....	.....	.....	.....	.....	Brooklyn Alcatraz Asphalt Paving Company.
East Eleventh street, between Church avenue and Albe- marle road.....	"	"	6-in. "	1	2	"	6,419	.....	.....	.....	.....	.....	662	30	.....	.....	.....	.....	.....	Brooklyn Alcatraz Asphalt Paving Company.
Essex street, between Arlington and Atlantic avenues.....	Street Improvement Fund.....	Bermudes	6-in. "	1	2	"	2,772	\$ 87	1,668	.....	5,266	.....	832	30	52 00	.0038	13,664 56	Sept. 13	Oct. 27	Eastern Bermudes Asphalt Paving Company.
Fifty-fifth street, between First and Third avenues.....	Paving Bond Fund.....	Alcatraz.	5-in. "	1	2	Cobble.	4,994	\$ 07	260	2,675	.....	.....	1,537	30	80 00	.0046	17,018 00	Aug. 18	Sept. 26	Brooklyn Alcatraz Asphalt Com- pany.
Fifty-seventh street, between First and Second avenues.....	Eighth Ward Street Improvement Fund	"	6-in. "	1	2	New....	2,531	\$ 24	1,473	.....	9,103	.....	749	30	48 00	.0058	8,392 20	Apr. 20	May 23	Brooklyn Alcatraz Asphalt Com- pany.
Gold street, between Front and Water streets.....	Paving Bond Fund.....	Trinidad.	5-in. "	1	2	Cobble.	715	\$ 20	384	40	.....	.....	212	30	8 00	.0020	2,728 35	Sept. 19	Oct. 17	Cranford & Co.
Grant street, between Flatbush and Nostrand avenues.....	Street Improvement Fund.....	Alcatraz.	6-in. "	1	2	New....	8,855	\$ 86	4,536	.....	1,828	1,978	2,512	32	138 32	.0039	35,506 27	" 20	Dec. 17	Brooklyn Alcatraz Asphalt Com- pany.
Green avenue, between Clin- ton avenue and St. James' place, and Grand and Cla- son avenues.....	Paving Bond Fund.....	Trinidad.	5-in. "	1	2	Cobble.	5,685	\$ 55	2,680	399	.....	.....	1,595	34	160 00	.0065	24,369 87	" 24	Nov. 27	Cranford & Co.
Green avenue, between Stuy- vesant and Bushwick ave- nues.....	"	Bermudes	5-in. "	1	2	"	16,450	\$ 12	4,495	1,018	.....	.....	9,869	30 34	212 00	.0055	38,295 40	Oct. 8	Dec. 7	Eastern Bermudes Asphalt Paving Company.
Hancock street, between How- ard avenue and Broadway	"	"	5-in. "	1	2	"	4,444	\$ 08	1,223	823	.....	.....	1,132	34	79 00	.0046	15,663 50	June 18	July 20	Eastern Bermudes Asphalt Paving Company.
Keap street, between Wythe and Bedford avenues, and Division avenue and Broadway.....	"	Trinidad.	5-in. "	1	2	"	3,000	\$ 22	1,472	94	.....	.....	335	30	34 00	.0037	11,730 44	Sept. 20	Oct. 22	Cranford & Co.
Lafayette avenue, between Vanderbilt and Waverly avenues.....	*Special Appropriation	"	Old granite.....	1	2	Granite	970	\$ 72	764	166	.....	.....	316	34	36 00	.0091	6,121 05	Nov. 13	Dec. 27	"
Macon street, between Arling- ton place and Nostrand avenue.....	"	"	Old cobble.....	1	2	Cobble.	1,460	\$ 24	373	230	.....	.....	388	34	36 00	.0079	4,580 99	" 7	" 17	"
Macon street, between Tomp- kins and Throop avenues.....	Paving Bond Fund.....	"	5-in. concrete....	1	2	"	2,968	\$ 08	1,470	50	.....	.....	800	34	48 00	.0044	10,879 00	Aug. 22	Sept. 21	"
McDonough street, between Stuyvesant and Reid ave- nues.....	"	"	5-in. "	1	2	"	3,108	\$ 13	1,354	218	.....	.....	835	34	24 00	.0022	11,510 75	Oct. 4	Oct. 31	"
Monroe street, between Stuy- vesant and Reid avenues.....	*Special Appropriation	Bermudes	Old cobble.....	1	2	"	9,998	\$ 84	1,072	494	.....	.....	811	34	52 00	.0054	9,654 97	Nov. 12	Dec. 28	Eastern Bermudes Asphalt Paving Company.
Newark avenue, between Flatbush avenue and East Twenty-sixth street.....	Street Improvement Fund.....	Trinidad.	6-in. concrete....	1	2	New....	2,298	\$ 11	1,130	131	1,094	.....	696	30	60 00	.0067	8,986 55	Aug. 24	Oct. 15	Cranford & Co.
Pacific street, between Kings- ton and Albany avenues.....	Paving Bond Fund.....	"	5-in. "	1	2	Cobble.	2,887	\$ 18	1,168	274	.....	.....	774	34	40 00	.0037	10,771 50	Oct. 31	Nov. 5	"
Pacific street, between Nos- trand and Brooklyn avenues	"	"	5-in. "	1	2	"	5,453	\$ 10	2,516	302	.....	.....	1,477	34	80 00	.004	19,987 56	Aug. 13	Sept. 18	"
President street, between Sixth and Seventh avenues.....	"	Alcatraz.	Old belgian.....	1	2	Belgian	2,468	\$ 75	1,080	384	.....	.....	740	30	79 10	.010	7,840 75	" 20	" 14	Brooklyn Alcatraz Asphalt Com- pany.
Regent place, between Flat- bush and Green avenues.....	Street Improvement Fund.....	Trinidad.	6-in. concrete....	1	2	New....	2,149	\$ 79	1,077	4	105	650	598	38	20 00	.0026	7,707 90	Oct. 5	Oct. 31	Cranford & Co.
Richmond street, between Vol- ton street and Jamaica avenue.....	Twenty-sixth Ward Street Improve- ment Fund.....	Bermudes	5-in. "	1	2	"	6,339	\$ 30	3,616	12	778	1,471	1,886	30	124 00	.0065	10,073 72	Apr. 23	June 4	Eastern Bermudes Asphalt Paving Company.
Sackett street, between Hoyt and Bond streets.....	Paving Bond Fund.....	"	5-in. "	1	2	Cobble.	2,104	\$ 08	1,060	99	.....	.....	649	30	72 00	.009	7,970 60	July 17	Aug. 8	Eastern Bermudes Asphalt Paving Company.
Schenck avenue, between Livonia avenue and New Lots road.....	Street Improvement Fund.....	Trinidad.	6-in. "	1	2	New....	1,177	\$ 81	735	.....	398	.....	358	30	52 00	.0097	5,333 45	Sept. 24	Oct. 22	Cranford & Co.
St. Mark's avenue, between Albany and Ralph avenues.	Paving Bond Fund.....	"	Old belgian and 5-in. concrete	1	2	Belgian and cobble.	17,764	\$ 09	5,097	3,864	.....	.....	4,736	34	215 82	.0035	62,070 86	Aug. 28	" 4	"
Sunset street, between Henry street and Hamilton ave- nue.....	"	Alcatraz.	5-in. concrete....	1	2	Cobble.	4,545	\$ 07	2,613	39	.....	.....	1,347	30	109 00	.0064	16,958 15	July 8	Aug. 17	Brooklyn Alcatraz Asphalt Com- pany.
Setter avenue, between Rock- away and Alabama avenues	Twenty-sixth Ward Street Improve- ment Fund.....	Trinidad.	6-in. "	1	2	New....	13,746	\$ 22	6,343	.....	4,150	1,580	3,629	30	308 00	.0078	39,188 70	Apr. 10	July 24	Cranford & Co.
Soydam street, between Myrtle and Ketcherbocker avenues.	Paving Bond Fund.....	Bermudes	5-in. "	1	2	Cobble.	7,590	\$ 18	3,322	1,090	.....	.....	9,316	30 34	178 00	.0061	28,162 30	July 26	Sept. 7	Eastern Bermudes Asphalt Paving Company.
Vermont street, between East- ern parkway and Jamaica avenue.....	Twenty-sixth Ward Street Improve- ment Fund.....	"	6-in. "	1	2	New....	7,273	\$ 24	4,516	108	3,709	793	2,479	30	156 00	.0061	24,769 40	May 17	July 9	Eastern Bermudes Asphalt Paving Company.
Vernon avenue, between Flat- bush and Rogers avenues.....	Street Improvement Fund.....	Trinidad.	6-in. "	1	2	"	6,699	\$ 21	3,103	14	2,375	943	1,720	35	144 00	.0033	26,945 15	Sept. 6	Dec. 4	Cranford & Co.
Watkins street, between East New York avenue and New Lots road.....	Street Improvement Fund.....	"	5-in. "	1	2	"	12,185	\$ 85	6,006	69	25,448	.....	3,602	30	.....	.....	.....	Oct. 8	Not finished	"
Willoughby avenue, between Bedford and Nostrand avenues.....	Paving Bond Fund.....	Alcatraz.	5-in. "	1	2	Cobble.	3,864	\$ 11	1,816	50	.....	.....	1,066	34	78 46	.005	14,183 56	Sept. 10	Oct. 5	Brooklyn Alcatraz Asphalt Com- pany.
Willoughby avenue, between Throop avenue and Broad- way.....	"	Bermudes	5-in. "	1	2	"	10,217	\$ 31	4,159	979	.....	.....	2,712	34	172 00	.0044	32,646 21	" 19	Nov. 8	Eastern Bermudes Asphalt Paving Company.
Total.....							275,649						77,621				921,396 86			

* Appropriation of 1900 for repaving streets and avenues.

† Park in centre 21 feet wide.

TABLE V.

Statement Showing Amount of Stone Pavement Laid during the Year ending December 31, 1900.

STREET.	PAID FROM WHAT FUND.	CHARACTER.	FOUNDATION.	FILLING IN JOINTS.	REPLACES WHAT.	Pavement, Square Yards.	Price per Square Yard, including Foundation.	CURB, LINEAR FEET.		Excavation, Cubic Yards.	Embankment, Cubic Yards.	Length, Linear Feet.	Width of Roadway.	INSPECTION.		TOTAL COST.	When Commenced.	When Finished.	CONTRACTOR.
								New.	Old.					Amount.	Per Cent.				
Dearman street, between Atlantic avenue and New Lots road.	Twenty-sixth Ward Street Improvement Fund.	Belgian.	Sand.	Sand.	New.	13,034	\$1.40	7,337	...	836	30,420	3,964	30	\$210.89	.0210	\$13,165.03	1899, Nov. 13	1900, Aug. 13	Nassau Construction Company.
Centre street, between Clinton street and Hamilton avenue.	Street Improvement Fund.	Granite.	"	"	"	1,385	1.75	1,001	22	835	63	300	24	80.00	.0201	4,283.61	1900, Aug. 15	Oct. 3	Newman & Co.
Fifth avenue, between 101 feet north of Seventy-second street and 170 feet south of Seventy-third street.	Private.	"	"	"	"	1,745	...	...	...	...	...	345	42	...	...	...	...	...	Private.
Georgia avenue, between Glenmore and Liberty avenues.	Street Improvement Fund.	"	Concrete.	{ Tar and gravel }	"	1,180	0.05	761	9	1,894	...	481	30	200.00	.0266	6,004.30	July 9	Sept. 21	J. P. Graham.
Gold street, between John and Water streets; Gold street, between Front and Prospect streets; Gold street, between Sands and Fulton streets.	Paving Bond Fund.	"	"	{ Tar and gravel }	"	5,134	1.78	2,968	...	...	...	1,591	30	...	...	...	Oct. 23	Not finished.	A. E. Donovan.
Harrison street, between Columbia street and bulkhead.	"	"	"	{ Tar and gravel }	Cobble	2,307	1.52	1,470	180	...	...	761	30	150.00	.0174	8,979.84	Sept. 26	Nov. 2	William P. Baird.
Hilared street, between St. Nicholas and Wyckoff avenues.	Private.	"	Sand.	Sand.	New.	1,017	...	...	...	...	...	485	30	...	...	...	...	...	Private.
Knickerbocker avenue, between Johnson avenue and Harrison place; Knickerbocker avenue, between Thomas street and Flushing avenue.	Paving Bond Fund.	"	Concrete.	{ Tar and gravel }	Granite	4,009	1.83	1,178	695	...	...	1,143	34	288.00	.0205	13,984.40	Aug. 21	Nov. 1	Newman & Co.
Logan street, between Atlantic avenue and New Lots road.	Twenty-sixth Ward Street Improvement Fund.	Belgian.	Sand.	Sand.	New.	19,313	85	7,805	...	4,783	22,033	3,752	30	941.04	.0255	26,523.24	1899, Nov. 13	Nov. 1	William J. Plant.
Meeker avenue, between Kingsland avenue and Meeker Avenue Bridge.	Street Improvement Fund.	Granite.	"	"	"	13,265	1.67	6,000	...	12,000	...	3,449	36	...	...	...	1900, Aug. 27	Not finished.	John O'Grady.
Pacific street, between Carlton and Fifth avenues.	Labor, Maintenance and Supplies.	"	"	"	Cobble	5,397	...	...	...	...	...	1,410	34	...	...	...	...	...	Laid by Repair Gang.
Pear street, between Sands and John streets.	Paving Bond Fund.	"	Concrete.	{ Tar and gravel }	"	5,591	3.78	1,018	205	...	...	1,328	34	260.00	.0192	13,659.91	Aug. 2	Oct. 9	W. F. Baird.
Sackman street, between Eastern parkway and Livonia avenue.	Twenty-sixth Ward Street Improvement Fund.	Belgian.	Sand.	Sand.	New.	8,442	1.30	4,811	...	5,960	312	2,532	30	158.98	.0201	15,640.88	Apr. 3	May 26	Nassau Construction Company.
Stagg street, between Union and Graham avenues.	Paving Bond Fund.	Granite.	Concrete.	{ Tar and gravel }	Cobble	6,300	3.48	3,182	500	...	...	1,892	30	250.00	.0206	20,088.00	June 20	Aug. 8	Brooklyn Alcatraz Asphalt Company.
Stanhope street, between Myrtle and Hamburg avenues.	Street Improvement Fund.	"	Sand.	Sand.	New.	437	1.75	305	...	188	...	111	20	57.50	.0257	1,467.21	Aug. 11	Sept. 14	Newman & Co.
Saeder avenue, between Liberty and Damont avenues.	Twenty-sixth Ward Street Improvement Fund.	Belgian.	"	"	"	9,688	1.30	5,598	...	5,925	1,206	2,850	30	215.46	.0212	17,968.08	1899, Nov. 20	May 22	"
St. Nicholas avenue, between Hart street and Flushing avenue.	Street Improvement Fund.	"	"	"	"	5,796	1.10	2,989	...	3,386	6,919	1,613	34	316.00	.0278	11,360.90	1900, Apr. 5	June 21	Norton & Gorman.
Van Dyke street, between Irving street and Hamburg avenue.	Paving Bond Fund.	Granite.	Concrete.	{ Tar and gravel }	Cobble	5,810	1.45	2,974	203	...	...	1,723	30	216.00	.0288	24,379.80	July 27	Sept. 14	Brooklyn Alcatraz Asphalt Company.
Total.						101,390	...	...	...	...	...	59,025	...	...	...	\$403,671.57			

* 5,415 square yards of pavement laid by Street R. R. Co.

TABLE VI.

Statement Showing Amount of Brick Pavement Laid during the Year ending December 31, 1900.

STREET.	PAID FROM WHAT FUND.	FOUNDATION.	FILLING IN JOINTS.	REPLACES WHAT.	SQUARE YARDS.	PRICE PER SQUARE YARD, INCLUDING FOUNDATION.	LENGTH, LINEAR FEET.	WIDTH OF ROADWAY.	REMARKS.
Kills path, between Jamaica avenue and 105 feet north.	Private.	Concrete.	Cement.	New.	987	...	265	32	Private contract.
Newell street, between Nassau avenue and Driggs avenue.	Labor, maintenance and supplies.	Sand.	Sand.	Cobble.	4,022	...	762	21	Laid by repair gang.
Seventy-second street, between Third avenue and Sixth avenue.	Private.	Concrete.	Paving cement.	New.	3,689	...	2,426	32	Private contract.
Seventy-third street, between Fourth avenue and Sixth avenue.	"	"	"	"	3,418	...	1,500	32	"
Sixth avenue, between 200 feet north of Seventy-second street and Seventy-third street.	"	"	"	"	2,107	...	600	32	"
St. John's place, between Washington avenue and Clarkson avenue.	Labor, maintenance and supplies.	Sand.	Sand.	Cobble.	8,440	...	112	30	Laid by repair gang.
Thornton street, between Throop avenue and Broadway.	"	"	"	"	1,152	...	432	24	"
Thornton place (between Third avenue and Fourth avenue), between 251 feet north of Seventy-second street and Seventy-third street.	Private.	Concrete.	Paving cement.	New.	822	...	213	32	Private contract.
Thornton place (between Third avenue and Fourth avenue), between 179 feet north of Seventy-second street and Seventy-third street.	"	"	"	"	687	...	190	32	"
Total.					24,001	...	7,000		

TABLE VII.

Statement Showing Streets Graded and Macadamized during the Year ending December 31, 1900.

STREET.	PAID FROM WHAT FUND.	Thickness.	Foundation.	Square Yards of Brick Curb.	Pavement, Square Yards.	Price Per Square Yard, including Foundation.	CURB, LINEAR FEET.		Excavation, Cubic Yards.	Embankment, Cubic Yards.	Length.	Width of Roadway.	INSPECTION.		TOTAL COST.	When Commenced.	When Finished.	CONTRACTOR.
							New.	Old.					Amount.	Per Cent.				
Bay avenue, between Ocean avenue and Elm avenue; Elm avenue, between Bay avenue and Coney Island avenue; Coney Island avenue, between Elm avenue and Avenue M; Avenue M, between Coney Island avenue and Ocean parkway; Avenue N, between Ocean parkway and Gravesend avenue; Sixtieth street, between Gravesend avenue and Twenty-second avenue.	Common Lands Fund of late Town of Gravesend.	8 in.	Sand	...	15,409	\$0 61	...	...	...	256	7,490	{ 25 } { 20 }	\$135 00	.0137	\$2,872 25	1900, Oct. 15	1900, Dec. 20	John F. Mallie.
Bedford avenue, between Foster avenue and Avenue F.	Private.	8	"	...	1,464	...	...	...	...	...	932	44	...	...	...	...	...	Private contract.
Avenue D, between Coney Island avenue and Ocean parkway.	Street Improvement Fund.	8	"	612	4,672	69	2,329	1	1,395	861	2,100	42	268 00	.0234	8,239 94	July 12	Oct. 19	Norton & Gorman.
East Seventeenth street, between Avenue B and Avenue C.	Private.	8	"	...	9,844	...	...	...	...	...	800	32	...	...	...	...	...	Private contract.
East Nineteenth street, between Avenue B and Avenue C.	"	8	"	...	2,844	...	...	...	...	...	800	32	...	...	...	...	...	"
East Twenty-first street, between Foster avenue and 420 feet south of Avenue F.	"	8	"	...	2,872	...	...	...	...	...	902	32	...	...	...	...	...	"
East Twenty-second street, between Foster avenue and 300 feet south of Avenue F.	"	8	"	...	2,859	...	...	...	...	...	798	32	...	...	...	...	...	"
East Twenty-third street, between Foster avenue and 200 feet south of Avenue F.	"	8	"	...	1,910	...	...	...	...	...	914	32	...	...	...	...	...	"
East Twenty-fourth street, between Foster avenue and 200 feet south of Avenue F.	"	8	"	...	2,961	...	...	...	...	...	920	32	...	...	...	...	...	"

STREET.	PAID FROM WHAT FUND.	Thickness.	Foundation.	Square Yards of Brick Gutter.	Pavement, Square Yards.	Price per Square Yard including Foundation.	CURB, LEAKS, ETC.		Excavation, Cubic Yards.	Embankment, Cubic Yards.	Length.	Width of Road-way.	INSPECTION.		TOTAL COST.	When Commenced.	When Finished.	CONTRACTOR.
							New.	Old.					Amount.	Per Cent.				
East Twenty-sixth street, between Flatbush avenue and Avenue F.	Private.....	8	Sand.....	1,894	.....	.....	.....	.....	.....	.....	565	32	.....	.....	.....	.....	.....	Private contract.
Avenue F, between Ocean avenue and East Twenty-sixth street.	".....	8	".....	8,407	.....	.....	.....	.....	.....	.....	3,577	44	.....	.....	.....	.....	.....	"
Present place, between Herkimer street and Atlantic avenue.	Street Improvement Fund.....	.....	.....	178	Grading and curbing with brick gutters.	.....	782	26	1,058	.....	379	24	112.00	0.492	2,276.80	June 24	July 24	Newman & Co.
Utica avenue, from line between Twenty-fourth and Twenty-ninth Wards and line between Twenty-ninth and Thirty-second Wards.	.....	8	Sand.....	2,837	.....	.....	1,756	.....	.....	79,380	*865	.....	.....	.....	.....	May 3	Not finished.	John F. Maillie.
West Seventeenth street, between Canal avenue and Surf avenue.	Common Lands Fund of late Town of Gravesend.	8	".....	4,210	.....	55	.....	.....	.....	.....	1,940	20	76.00	0.318	2,447.05	June 7	July 5	Thomas P. Murphy.
Total.....	.....	.....	.....	.....	55,097	.....	.....	.....	.....	.....	20,152	.....	.....	.....	\$10,735.12	.....	.....	.....

*Total length, 11,177 feet—only 365 feet macadamized.

TABLE VIII.

Showing Streets upon which Work was in Progress, and Contracts in Force, December 31, 1900.

STREET.	KIND OF IMPROVEMENT.	TOTAL AMOUNT OF PAVEMENT.	PAVEMENT COMPLETED.	GRADING COMPLETED.		CONTRACTOR.
				Excavation.	Embankment.	
Adams street, from Sands street to East river.	Granite block.....	5,203	.....	.....	.....	A. E. Donovan.
Belford avenue, from Hunter street to Eastern Parkway.	Asphalt block.....	4,370	.....	.....	.....	Hastings Pavement Company.
Gold street, from John street to Water street; Gold street, from Front street to Prospect street; Gold street, from Sands street to Fulton street.	Granite block.....	14,852	5,734	.....	.....	A. E. Donovan.
Meeker avenue, from Kingsland avenue to Meeker Avenue Bridge.	".....	13,375	12,265	10,000	.....	John O'Grady.
Schenck avenue, from Atlantic avenue to Livonia avenue.	Oblong trap.....	13,396	.....	.....	.....	James P. Graham.
Second avenue, from Thirty-ninth street to Fifty-eighth street.	Asphalt.....	15,800	.....	.....	.....	Cranford & Co.
Second avenue, from Fifty-ninth street to Sixty-fifth street.	".....	5,756	.....	.....	.....	"
Utica avenue, from line between Twenty-fourth and Twenty-ninth Wards to line between Twenty-ninth and Thirty-second Wards.	Grading and macadam.....	2,837	2,837	79,380	.....	John F. Maillie.
Waltham street, from East New York avenue to New Lots avenue.	Asphalt.....	60,055	66,185	25,448	.....	Cranford & Co.

TABLE IX.

Table Showing Improvements Authorized by the Municipal Assembly during the Year 1900, Contracts for which Have not yet Been Made.

	PAVEMENT.	ESTIMATED COST.
<i>Grading and Paving.</i>		
Catskill avenue, from Flatbush avenue to Brighton Beach Railroad.....	Asphalt.....	\$18,500. 00
Chauncey street, from Rockaway avenue to Broadway.....	".....	6,500. 00
Humboldt street, from Meeker to Engert avenue.....	".....	6,500. 00
Hawthorne street, from Flatbush to Rogers avenue.....	".....	20,000. 00
* Himrod street, from Irving to Wyckoff avenue.....	Cobblestone.....	3,000. 00
Linden street, from Hamburg to Knickerbocker avenue.....	Granite.....	9,500. 00
McKibbin street, from Bushwick avenue to Regent street.....	Trap block.....	16,000. 00
Osborn street, from Blake to Livonia avenue.....	Asphalt.....	18,000. 00
Park place, from Albany to Troy avenue.....	".....	12,000. 00

TABLE XII.

Showing Work Done by Corporations during Year 1900. BY GAS COMPANIES.

	1½-INCH.	2-INCH.	3-INCH.	4-INCH.	6-INCH.	8-INCH.	10-INCH.	12-INCH.	16-INCH.	20-INCH.	24-INCH.	30-INCH.	TOTAL.
Brooklyn Union Gas Company—													
Total mileage of mains in system.....	0.73	1.60	70.70	336.82	295.99	58.20	22.80	52.82	16.47	17.98	2.17	0.00	739.46
Mileage laid in 1900.....	1.16	4.62	0.97	0.00	0.95	.....	0.00	1.11	.....	.....	8.81
Mileage removed in 1900.....	0.20	0.33	6.91	0.43	0.21	1.05	.....	.....	.....	.....	.....	9.23
Brooklyn Borough Gas Company—													
Total mileage of mains in system.....	0.68	0.38	9.73	7.15	0.05	.....	0.61	.....	.....	.....	.....	27.61
Mileage laid in 1900.....	0.51	0.23	0.34	.....	.....	.....	.....	.....	.....	1.14
Flatbush Gas and Illuminating Company—													
Total mileage of mains in system.....	16.06	14.84	7.65	1.81	1.41	1.94	.....	.....	.....	.....	43.76
Mileage laid in 1900.....	3.35	2.39	0.38	.....	.....	.....	.....	.....	.....	6.06
Mileage removed in 1900.....	0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.69
Kings County Gas and Illuminating Company—													
Total mileage of mains in system.....	2.52	64.06	44.90	5.47	.....	5.88	1.23	0.45	.....	.....	124.50
Mileage laid in 1900.....	1.93	0.72	0.01	.....	.....	0.45	.....	.....	.....	2.93

BY RAILROAD COMPANIES.

RAILROAD COMPANY.	MILEAGE OF SYSTEM, SINGLE TRACK.	MILEAGE OF NEW SINGLE TRACK LAID IN 1900.	MILEAGE OF SINGLE TRACK RELAYED IN 1900.	NUMBER OF NEW CONNECTIONS BETWEEN EXISTING LINES.	NUMBER OF CONNECTIONS CURVED OR CROSSINGS RENEWED.
Brooklyn Heights Railroad Company.....	320.52	0.32	5.81	5	20
Coney Island and Brooklyn Railroad Company.....	31.20	.....	1.08	.....	0
Van Brunt and East Brooklyn Railroad Company.....	9.12	.....	.....	.....	.....

BY ELECTRIC COMPANIES.

ELECTRIC COMPANY.	TOTAL NUMBER OF MILES OF CONDUIT IN SYSTEM.	TOTAL NUMBER OF MILES OF SINGLE CONDUCTOR IN SYSTEM.	TOTAL NUMBER OF MILES OF POLE LINE IN SYSTEM.	TOTAL NUMBER OF MILES OF SINGLE OVERHEAD CONDUCTOR.	TOTAL NUMBER OF MILES OF CONDUIT LAID IN 1900.
Edison Electric Illuminating Company.....	130.50	435.64	379.30	2,233.71	21.78
New York and New Jersey Telephone Company.....	78.67	24,553.12	312.00	5,705.00	15.67
Flatbush Gas and Illuminating Company.....	9.6	18.00	30.07	34.50	1.60

STREET.	KIND OF IMPROVEMENT.	TOTAL AMOUNT OF PAVEMENT.	PAVEMENT COMPLETED.	GRADING COMPLETED.		CONTRACTOR.
				Excavation.	Embankment.	
Stanhope street, from Wyckoff to St. Nicholas avenue.	Asphalt.....	\$5,500.00	.....	.....	.....	.....
Tharford avenue, from Liberty to Riverdale avenue.	".....	59,000.00	.....	.....	.....	.....
Vermont street, from Pitkin avenue to 75 feet south of Belmont avenue.	".....	8,790.00	.....	.....	.....	.....
Total.....	.....	\$86,290.00	.....	.....	.....	.....

*Improvements authorized by the Municipal Assembly during the year 1900, contracts for which have not yet been made.

TABLE X.

Showing Work of Repair Gangs during the Year 1900.

Number of openings repaved.....	8,220
Number of holes repaired on complaint.....	2,549
Stone pavement relaid, square yards.....	226,145
Brick pavement relaid, square yards.....	5,433
Macadam repaired, square yards.....	11,453
Dirt roads repaired, miles.....	31.6
Sand used, cubic yards.....	5,683
Cobble-stone used, cubic yards.....	1,879
Curbstone set and reset, linear feet.....	50,253
Bridging set and reset, square feet.....	30,248
Granite blocks used.....	160,000
Granite blocks purchased and delivered.....	270,000
Cobble-stone purchased and delivered, cubic yards.....	970
Sand purchased and delivered, cubic yards.....	6,508

Amount expended in purchasing and repairing tools..... \$1,274.99

TABLE XI.

Showing Macadamized Streets Sprinkled in 1900.

	Length in Miles.
Crosby and Harway avenues, from Fourteenth to Coney Island avenue.....	2.478
Eighteenth avenue, from Ocean Parkway to Crosby avenue.....	2.804
Eightieth street, from Eighteenth to Twenty-second avenue, and from Twenty-third to Stillwell avenue.....	0.672
Eighty-sixth street, from Bay Ridge Parkway to Fifth avenue.....	1.622
Fourth avenue, from Sixtieth street to Fifth avenue.....	3.718
Kings Highway, from Twenty-second to Ocean avenue.....	1.023
Neptune and Emmons avenue, from Ocean Parkway to Hog Point Creek.....	1.081
Ocean avenue, from Bay avenue to Emmons avenue.....	4.004
Second avenue, from Sixty-fifth street to Bay Ridge Parkway.....	1.802
Seventy-ninth street, from Bay Ridge Parkway to Eighteenth avenue.....	2.501
Sixtieth street, from Fourth to Twenty-second avenue.....	2.670
Beverly road, from Flatbush avenue to Ocean Parkway.....	0.329
Winthrop street, from Flatbush to Rogers avenue.....	0.347
Stillwell avenue, from Eightieth to Eighty-sixth street.....	0.890
Eighty-sixth street, from Stillwell avenue to Avenue N.....	0.265
Total.....	28.924
Total number of days.....	1,775
Total cost of sprinkling.....	\$8,959.50

TABLE SHOWING SQUARE YARDS PAVEMENT LAID BY CORPORATIONS.

NAME OF COMPANY.	ASPHALT.	BRICK.	MACADAM.	GRANITE.	BRICKS.	COPPLE.
Brooklyn Heights Railroad Company.....	361	.....	.....	* 30,124	5,187	16,977
Coney Island and Brooklyn Railroad Company.....	.....	.....	.....	6,930	67	1,024
Edison Electric Illuminating Company.....	1,015	73	.....	25,194	42	5,218
New York and New Jersey Telephone Company.....	2,753	81	110	3,824	110	5,399
Brooklyn Union Gas Company.....	.....	.....	.....	17,600	4,513	11,381
Flatbush Gas and Illuminating Company.....	280	.....	.....	.....	.....	.....
Kings County Gas and Illuminating Company.....	30	.....	400	.....	.....	1,600
Brooklyn Borough Gas Company.....	.....	.....	130	.....	.....	.....
Total number square yards laid.....	5,919	155	820	84,008	11,909	56,199

* This includes 5,415 square yards pavement laid by railroad company on Meeker avenue.

TABLE XIII.

Showing Openings Made in Asphalt and Brick Pavements during 1900.

	IN ASPHALT.	IN BRICK.
For water connections and repairs.....	374	1
For sewer connections and repairs.....	128	..
By gas companies.....	392	..
By electric light companies.....	140	2
By telephone companies.....	50	..
By Brooklyn Rapid Transit Company.....	17	..
By Coney Island and Brooklyn Railroad Company.....	8	..
By Flatbush Water Company.....	1	..
Total.....	1,091	2

TABLE XIV.

Table Showing Amount of Flagging Laid, Driveways Paved and Notices to Flag Sidewalks Served during the Year 1900.

Total amount of flagging laid, private contract, square feet.....	202,543
public contract, square feet.....	39,720
Total number of permits issued, private, square feet.....	385
public, square feet.....	65
relay flagging, feet.....	1,901
pave driveways, square feet.....	170
Total number of notices served upon property-owners and agents, square feet.....	549

WARDS.	PRIVATE CONTRACTS.		PUBLIC CONTRACTS.	
	Number of Permits.	Square Feet.	Number of Permits.	Square Feet.
First.....	1	300	.....	.....
Second.....	1	185	1	335
Third.....	3	300	.....	.....
Fourth.....	2	2,000	.....	.....
Fifth.....	2	280	.....	.....
Sixth.....	5	1,480	.....	.....
Seventh.....	8	1,075	2	5,185
Eighth.....	24	14,295	17	12,784
Ninth.....	2	473	2	3,081
Tenth.....	3	735	.....	.....
Eleventh.....	5	800	.....	.....
Twelfth.....	7	3,445	.....	.....
Thirteenth.....	1	300	.....	.....
Fourteenth.....	7	2,625	.....	.....
Fifteenth.....	10	2,945	2	195
Sixteenth.....	4	1,665	.....	.....
Seventeenth.....	6	1,230	2	230

TABLE XV.

Statement Showing Concrete Sidewalks Laid during the Year 1900.

Total number of permits issued.....	874
Total number of permits work completed.....	842
Total number of permits canceled or revoked.....	22
Total number of permits partly done.....	4
Total number of permits not begun.....	6

By Wards.

Number of linear feet of cement curb laid on streets not legally open by private contract.....	24,847
First Ward.....	9,525
Second Ward.....	3,500
Third Ward.....	4,350
Fourth Ward.....	5,370
Fifth Ward.....	2,050
Sixth Ward.....	7,950
Seventh Ward.....	8,720
Eighth Ward.....	67,192
Ninth Ward.....	15,930
Tenth Ward.....	7,300
Eleventh Ward.....	7,350
Twelfth Ward.....	5,904
Thirteenth Ward.....	4,000
Fourteenth Ward.....	2,850
Fifteenth Ward.....	2,450
Sixteenth Ward.....	8,175
Seventeenth Ward.....	21,360
Eighteenth Ward.....	2,780
Nineteenth Ward.....	8,700
Twentieth Ward.....	6,400
Twenty-first Ward.....	17,755
Twenty-second Ward.....	50,215
Twenty-third Ward.....	44,442
Twenty-fourth Ward.....	79,945
Twenty-fifth Ward.....	31,350
Twenty-sixth Ward.....	36,825
Twenty-seventh Ward.....	26,150
Twenty-eighth Ward.....	59,100
(a) Twenty-ninth Ward.....	158,625
(b) Thirtieth Ward.....	262,329
Thirty-first Ward.....	42,200
(c) Thirty-second Ward.....	90,100
Total.....	1,069,792

Note (a) includes 62,125 square feet laid on streets not legally open by private contract.

Note (b) includes 105,919 square feet laid under public contract on Fort Hamilton avenue, between Sixty-ninth and Eighty-sixth streets. Also, 142,000 square feet laid under private contract on unopen streets in Borough Park.

Note (c) includes 86,000 square feet on streets not legally opened.

TABLE XVI.

Showing Tests of Hydraulic Cements made during 1900.

Tensile strength—Pounds per square inch—One lot, average of four briquettes.

PORTLAND CEMENTS.

BRAND.	NEAT CEMENT.												STANDARD QUARTZ, 3 PARTS; CEMENT, 1 PART.							
	1 DAY.		7 DAYS.		28 DAYS.		3 MONTHS.		6 MONTHS.		11 MONTHS.		7 DAYS.		28 DAYS.		3 MONTHS.		6 MONTHS.	
	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.
Alpha.....	41	943	7	712	4	870	..	..	..	..	..	..	3	101	3	927	..	..	..	..
Alcoa.....	2	194	2	577	2	646	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atlas.....	5	429	2	845	..	..	..	..	..	..	..	..	1	150	1	150	..	..	..	..
Bismark.....	2	183	1	266	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Centaur.....	1	30	1	118	..	..	..	..	..	..	..	..	1	51	..	..	..	..	..	..
Cimex.....	1	182	1	378	1	469	..	..	..	..	..	..	1	* 602	1	* 205	..	..	..	..
Dragon.....	2	256	2	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fearless.....	1	91	1	365	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hercules.....	1	393	1	743	1	848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ironclad.....	1	447	1	645	1	620	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kraus.....	3	270	1	978	1	1,111	..	..	..	..	..	..	2	933	1	244	..	..	..	..
Lehigh.....	1	304	1	836	1	943	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mishawaka.....	1	233	1	378	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nord Deutsche.....	1	299	1	528	1	722	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oland.....	1	235	1	387	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Royal Crown.....	1	150	1	201	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Victor.....	5	244	3	639	1	726	..	..	..	..	..	..	2	918	1	403	..	..	..	..
Vulcanite.....	120	277	20	750	14	804	3	829	1	891	..	..	8	924	11	691	6	353	8	284

* Standard Quartz, 3 parts; Cement, 1 part.

NATURAL CEMENTS.

BRAND.	NEAT CEMENT.										STANDARD QUARTZ, 2 PARTS; CEMENT, 1 PART.									
	1 DAY.		7 DAYS.		28 DAYS.		3 MONTHS.		6 MONTHS.		8 MONTHS.		1 DAY.		28 DAYS.		3 MONTHS.		6 MONTHS.	
	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.	No. of Lots.	Tensile Strength.
Beach's.....	1	51	1	110	1	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Brooklyn Bridge.....	6	85	6	118	2	283	..	..	..	..	..	..	1	57	1	145	..	..	..	..
Commercial.....	79	53	30	121	22	272	..	..	..	..	6	357	18	55	15	147	2	202	..	..
Norton's.....	2	89	2	129	1	258	..	..	..	..	..	..	1	77	..	..	..	..	..	..
Snyder's XXX.....	16	114	16	137	20	263	..	..	..	..	..	..	9	52	6	123	..	..	..	..
Union.....	1	82	1	116	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.

Table Showing Preliminary Estimates Made during the Year 1900.

CLASS OF WORK.	TOTAL FOR YEAR.	
	Number.	Estimated Cost.
Grading and paving with asphalt.....	53	\$1,794,220 00
" granite blocks.....	8	101,200 00
" brick.....	4	69,200 00
" macadam.....	6	200,170 00
Regulating and grading.....	23	291,200 00
Repaving with asphalt.....	102	2,200,000 00
Repaving with granite.....	23	621,500 00
Repaving with brick.....	1	2,800 00
Repaving with Belgian block.....	5	61,000 00
Flagging and reflagging sidewalks.....	245	99,110 00
Laying cement walk.....	7	2,317 00
Facing vacant lots.....	80	8,112 00
Grading lots.....	18	24,700 00
Total.....	579	\$3,501,571 00

TABLE XVIII.

Miscellaneous Work Done during 1900.

Permits issued to tap water-pipes.....	2,125
" to repair water connections.....	4,540
" for sewer connections.....	2,468
" for repairing connections.....	735
" for building material.....	863
" to build vaults.....	199
" to erect awnings.....	135
" to cross sidewalk.....	793
" for special purposes.....	9,233
Notices served in correct house numbers.....	230
New house numbers assigned.....	720
Street signs erected.....	1,049
Citizens' complaints received and reported on.....	962
Police complaints received and reported on.....	1,266

DOCUMENT "I."

DEPARTMENT OF HIGHWAYS—DEPUTY COMMISSIONER'S OFFICE,
BOROUGH BUILDING, BOROUGH OF QUEENS,
NEW YORK, JANUARY 15, 1901.

Hon. JAMES P. KEATING, Commissioner of Highways, Borough of Manhattan:

DEAR SIR—In accordance with your instructions, I submit herewith a report of the operations of the Department of Highways, Borough of Queens, during the year 1900.

The three hundred and eighty-eight (388) miles of macadam roads in the borough have received due attention, and are now in fairly good condition. The granite-block, trap-rock, vitrified brick and asphalt pavements are in good condition.

During the year there were two-tenths (.2) miles of new asphalt pavement, and four and one-half (4½) miles of new macadam pavement laid.

The taxpayers of the borough are gradually learning the mode of procedure necessary to secure the improvement of streets, as is shown by the report of the Engineer on another page, in which he gives in detail the results of preliminary surveys made by him in order to determine the estimated cost, etc., of improvements petitioned for by property-owners; and I anticipate the completion of a large amount of this class of work during the ensuing year.

In this connection I would respectfully call your attention to the necessity of having the topographical maps of the borough completed as soon as possible, so that steps may be taken to legally open and improve the many dirt streets of the borough, which are, especially at this season of the year, a heavy drain upon the resources of the Department.

RESUME OF THE PRINCIPAL ITEMS OF WORK DONE BY THE MAINTENANCE DEPARTMENT DURING THE YEAR.

Macadamized streets—	
Roadways resanded, square yards.....	3,354,235
Roadways scraped and cleaned, square yards.....	2,140,837
Pavement repaired, square yards.....	17,921
Paved streets—	
Granite-block pavement repaired, square yards.....	6,571
Trap-rock pavement repaired, square yards.....	8,689
Vitrified brick pavement repaired, square yards.....	212
Cobble-stone gutters repaired and laid, square yards.....	9,685
Unpaved streets—	
Earth roadways repaired, crowned and honed, square yards.....	280,242
Earth roadways graded, square yards.....	42,884
Gutters—	
Gutters formed and cleaned, linear feet.....	4,143,829
Viaducts and bridges—	
Flooring relaid, square feet.....	20,777
Stringers and beams repaired and replaced, linear feet.....	900
Guard-rail repaired and constructed, linear feet.....	3,096
Guard-rail posts erected.....	2

Miscellaneous—

Curb reset, linear feet.....	10,632
Crosswalks relaid, linear feet.....	4,025
Flagstones relaid, square feet.....	4,595
19 (nineteen) wooden culverts built, linear feet.....	795
Wooden culverts repaired, linear feet.....	1,094
Dead trees cut down and removed.....	105
Dead limbs of trees removed, loads.....	38
Snow and ice removed from roadways and crosswalks of macadamized and unpaved streets, cubic yards.....	4,238

Material Used, Handled and Disposed of in the Maintenance and Repairs of the Highways:

Macadamized streets—	
Sand used in resanding, loads.....	133,170
Screenings used in repairs, loads.....	305½
Broken stone used in repairing, loads.....	848
Worn-out material hauled away, loads.....	41,666
Paved streets—	
Sand used in repairs, loads.....	3,341
Stone used in repairs, loads.....	1,401
Unpaved streets—	
Earth and gravel used in repairing and crowning dirt roads, loads.....	55,282
Dirt hauled away, loads.....	18,207

The total number and various kinds of permits issued during the year ending December 31, 1900, were as follows:

Permits to open streets to tap water-pipes.....	838
Permits to open streets to repair water connections.....	359
Permits to open streets to make sewer connections.....	378
Permits to open streets to repair sewer connections.....	71
Permits to place building material on streets.....	91
Permits to construct street vaults.....	2
Permits, special.....	1,151
Permits to cross sidewalks.....	119
Permits for subways, steam-mains and various connections.....	102
Permits for railway construction and repairs.....	111
Permits to repair sidewalks.....	107
Permit to erect awning.....	1

Total number of permits issued during the year..... 3,399

Public Monies Received.

For restoring and repaving pavement—	
Water connections, openings.....	\$2,651 58
Sewer connections, openings.....	2,068 00
General account.....	562 40
Total amount received during the year.....	\$5,221 98

Summary of the Expenditure during the Year 1900.

FUND.	AMOUNT OF EXPENDITURE.
Village of Jamaica Street Improvement Fund.....	None.
Borough of Queens, Town of Newtown, Repair and Maintenance of Highways, Burial Permit Fund.....	..
Village of Rockaway Beach Street Improvement Fund.....	..
Village of Arverne-by-the-Sea Street Improvement Fund.....	..
College Point Street and Park Improvement Fund.....	..
Village of Bayside and Douglaston Street Improvement Fund.....	..
Village of Flushing Street Opening and Improvement Fund.....	..
Regaving Streets, Borough of Queens.....	..
Labor, Maintenance and Supplies, 1899.....	\$1,682 70
Maintenance of Viaducts and Bridges, 1899.....	14 00
Town of Newtown Road Improvement Bond Fund.....	20,316 03
Village of Richmond Hill Sidewalk Improvement Fund.....	907 68
Village of Richmond Hill Sidewalk Improvement Fund (judgment payment by the Comptroller).....	24,934 33
Village of Richmond Hill Sidewalk Improvement Fund (judgment payment by the Comptroller).....	28,883 69
Laying Asphalt Strips from Thirty-fourth Street and Ninety-second Street Ferries.....	2,745 06
Street Improvement Fund, Old Long Island City Improvement, Assessment Work, Surveyors' Fees.....	9,214 18
Street Improvement Fund, East Avenue Improvement, Assessment Work.....	9,729 95
Labor, Maintenance and Supplies, 1900.....	168,748 39
Maintenance of Viaducts and Bridges, 1900.....	3,120 65
Salaries, 1900.....	11,005 07
Preliminary Surveys, 1900.....	5,997 10
Total expenditure during the year.....	\$398,668 27

General Results of Work Done by the Engineering Department during the Year 1900:

Preliminary surveys made.....	30
Bench marks established.....	278
Field books completed.....	26
Plans completed.....	35
Scows of broken stone and screenings measured.....	11
One (1) eighty per cent. payment.....	
One (1) seventy per cent. payment.....	
And six (6) final payments.....	

Total Mileage of Each Kind of Pavement in the Borough of Queens, and the Estimated Mileage of Unpaved Streets on December 31, 1900, as Compared with the Previous Year.

	1899. MILES.	1900. MILES.
With specification grade.....	29.34	29.34
With Belgian-trap.....	6.64	6.64
With sheet asphalt.....	31	31.20
With vitrified brick.....	14.30	14.30
With cobblestone.....	.30	.30
With macadam.....	281.54	288.04
With Peckskill gravel.....	11.68	11.68
Total mileage of paved streets.....	450.70	455.40
Total mileage of unpaved streets (estimated).....	271.33	266.65
Total mileage of streets in the borough.....	722.03	722.05

I hand you herewith, for your consideration, a report from the Acting Engineer, giving in detail the operations of the Engineering Department for the year; also a statement from the Accountant of the expenditures and balances on hand in the various funds.

Respectfully submitted,

WM. N. SHANNON,
Acting Deputy Commissioner of Highways, Borough of Queens.

DEPARTMENT OF HIGHWAYS—DEPUTY COMMISSIONER'S OFFICE,
BOROUGH BUILDING, BOROUGH OF QUEENS,
NEW YORK, January 2, 1901.

Hon. WILLIAM N. SHANNON, Acting Deputy Commissioner of Highways, Borough of Queens:

DEAR SIR—In accordance with instructions, I beg to submit herewith a report of the work of the Engineering Department of the Department of Highways for the year ending December 31, 1900.

At the close of the year 1899 the contract known as the Newtown Road Improvement Contract was still unfinished, the streets unimproved at that time being as follows:

Brook School road, from Old Bowery Bay road to Astoria road; Cypress avenue, from Myrtle avenue to Fresh Pond road; Juniper avenue, from Grand street to Metropolitan avenue; Greenpoint avenue, from Fifth street to Old Bowery Bay road; Woodside avenue, from Kelly avenue to Old Bowery Bay road; Columbia avenue, from Grand street to Fiske avenue; Stanhope street, from Brooklyn city line to Metropolitan avenue.

Work on this contract was resumed as soon as weather permitted in the spring and the improvements completed on all the above-named streets, with the exception of Stanhope street. Work being suspended on said street pending a decision from the Corporation Counsel relative to the legality of the line to be followed. The opinion rendered by the Corporation Counsel was to the effect that the City has no legal right or title to a certain portion of said street; this portion is now the only part of the street which is not improved.

Final certificates issued on these streets are as follows:

Brook School road.....	\$9,184 57
Cypress avenue.....	16,036 92
Juniper avenue.....	10,221 44
Greenpoint avenue.....	5,501 33
Woodside avenue.....	5,269 55
Columbia avenue.....	4,963 48
Total.....	\$51,237 29

There are several other unfinished contracts carried over from 1899, namely:

Village of Jamaica Street Improvements.
Village of Richmond Hill Flagging Contracts.
Village of Whitestone Street Improvements.

Before work can be resumed on these contracts, however, it will be necessary to so modify the original contracts as to bring the amount of work to be done within the limit of the funds available. This modification will no doubt be effected and the Department in a position to proceed with the several contracts by the time spring opens.

During the year the following contracts were entered into:

	AMOUNT OF CONTRACT.	NAME OF CONTRACTOR.
Furnishing broken stone and other material for the maintenance of the macadam streets and highways in the borough.....	\$7,060 00	Brown & Fleming.
For regulating, grading and paving with asphalt on concrete foundation the roadway of East avenue, First Ward.....	14,820 50	Warren-Scharf Asphalt Paving Company.
For regulating grading and paving with asphalt on concrete foundation the roadway of Flushing avenue, First Ward.....	71,750 30	Barber Asphalt Paving Company.

The contract with the Warren-Scharf Company is completed, the amount of the final certificate being \$13,828.58.

The contract with Brown & Fleming is about completed; and the contract with the Barber Asphalt Paving Company, for the paving of Flushing avenue, was not commenced owing to the fact that about the time this Department entered into the contract the Department of Sewers also entered into a contract to construct a sewer along Flushing avenue, thus causing this Department to postpone the contemplated improvements.

Other work engaged in for the past year by the Engineering Corps of this Department has been that of making preliminary surveys. These surveys were made with a view of ascertaining the probable cost and quantities of materials necessary to improve certain streets and avenues in the borough, which improvements were petitioned for by a majority of the property-owners along such streets and avenues.

Detailed reports of the results of these surveys have already been submitted to you; I therefore give herewith merely the name and estimated cost of each street, together with the total:

NAME.	ESTIMATED COST.
<i>First Ward.</i>	
Debevoise avenue, from Hoyt to Newtown avenue.....	\$10,804 75
Park place, from Woolsey to Porter avenue.....	3,074 52
Kowalski street, from Broadway to Graham avenue.....	70,345 36
Webster avenue, from Jackson avenue to East river.....	195,522 40
Nott avenue, from Jackson to Hunter avenue.....	953 04
Van Alst avenue, from Nott to Hoyt avenue.....	145,693 82
Holt street, from Greenpoint to Jackson avenue.....	27,255 05
Bridley avenue, from Borden to Greenpoint avenue.....	18,399 70
Newtown avenue, from Flushing to Grand avenue.....	56,387 30
Payson avenue, from Van Alst to Jackson avenue.....	54,492 54
William street, from Thirtieth street to Graham avenue.....	149,489 60
Hunter avenue, from Nott avenue to Academy street.....	70,995 25

NAME.	ESTIMATED COST.
Flushing street, from Frost street to West avenue.....	\$19,867 25
Flushing street, from West to Vernon avenue.....	7,298 07
Borden avenue, from Bradley to Greenpoint avenue.....	77,445 78
Lockwood street, from Broadway to Grand avenue.....	8,087 00
Jamaica avenue, from Hopkins to Fourth avenue.....	23,090 00
Academy street, from Hunter to Graham avenue.....	28,070 28
Taylor street, from Van Alst to Hopkins avenue.....	20,733 03
Elm street, from Van Alst to Hopkins avenue.....	14,664 78
Van Alst avenue, from Nott avenue to Newtown creek.....	93,095 20
Ridge street, from Hopkins avenue to Academy street.....	13,478 00
Blackwell street, from Broadway to Graham avenue.....	12,267 00
Sixth street, from Vernon to Jackson avenue.....	23,188 00
Ninth street, from West to Van Alst avenue.....	40,727 30
Taylor street, from Van Alst to Hopkins avenue.....	6,209 28
Total for First Ward.....	\$1,315,497 27
<i>Second Ward.</i>	
Crosby place, from Vermont avenue to Miller place.....	\$8,416 20
Vermont avenue, from Highland Boulevard to Miller place.....	12,141 15
St. Nicholas avenue, from Myrtle avenue to borough line.....	20,187 43
Total for Second Ward.....	\$51,757 00
<i>Third Ward.</i>	
Twenty-second street, from Long Island Railroad to Queens avenue.....	\$1,415 50
First Ward, Total.....	1,317,497 27
Second Ward, Total.....	51,757 00
Total for the three wards.....	\$1,374,379 27

As stated in my last report for the quarter ending December 31, 1900, this Department has also been engaged in establishing a system of well distributed and accurate bench marks throughout the borough.

Total number of bench marks being 278.

26 field books completed.

One (1) eighty per cent. made, and one (1) seventy per cent. payment made; 6 final payments made; 30 preliminary surveys made; 35 plans completed, and 21 scows of broken stone measured.

The total mileage of paved and unpaved streets in the borough is as follows:

	Miles.
Paved streets.....	455.4
Unpaved streets.....	266.65

Respectfully submitted,

FREDERICK SKENE,
Acting Engineer, Department of Highways, Borough of Queens.

DEPARTMENT OF HIGHWAYS—DEPUTY COMMISSIONER'S OFFICE,
BOROUGH BUILDING, BOROUGH OF QUEENS,
NEW YORK, January 2, 1901.

Hon. WM. N. SHANNON, Acting Deputy Commissioner of Highways, Borough of Queens:

DEAR SIR—In accordance with instructions received by you from the Hon. James P. Kaating, Commissioner of Highways, I have the honor to submit the following report, showing the condition of accounts of whatever nature and the expenditures during the year ending December 31, 1900:

Appropriation, 1900, "Salaries".....	\$10,300 00
March 6, 1900, By transfer from "Maintenance of Viaducts and Bridges, 1900".....	1,800 00
Total.....	\$12,100 00
November 13, 1900, To transfer to "Labor, Maintenance and Supplies, 1900".....	1,000 00
Total net appropriation.....	\$11,100 00
Disbursements during the year 1900.....	11,005 67
Balance.....	\$94 33

The above balance is available for transference to the credit of the General Fund.

Appropriation 1900, "Labor, Maintenance and Supplies".....	\$175,000 00
November 13, By amount transferred from "Salaries, 1900, Borough of Queens," as per resolution of the Board of Estimate and Apportionment.....	1,000 00
Total.....	\$176,000 00
Disbursements during the year 1900.....	166,748 29
Balance.....	\$9,251 71

This balance, \$9,251.71, will be required to pay outstanding orders and contract liability.

Appropriation 1900, "Maintenance of Viaducts and Bridges".....	\$8,000 00
March 6, 1900. To transfer to "Salaries, 1900, Borough of Queens, as per resolution of the Board of Estimate and Apportionment.....	1,800 00
Balance.....	\$6,200 00
Disbursements during the year 1900.....	5,189 65
Balance.....	\$1,010 35

This balance of \$1,010.35 will be required to pay outstanding order liability.

Appropriation 1900, "Preliminary Surveys".....	\$6,000 00
Disbursements during the year 1900.....	5,997 10
Balance.....	\$2 90

This balance of \$2.90 is available for transference to the credit of the General Fund for the Reduction of Taxes.

Detailed Statement of Expenditures for which Vouchers, Pay-rolls, etc., were Transmitted by the Deputy Commissioner of Highways, Borough of Queens, to the Comptroller, during the Year ending December 31, 1900.

	FIRST QUARTER.	SECOND QUARTER.	THIRD QUARTER.	FOURTH QUARTER.	TOTAL.
"Salaries," 1900—					
Salaries, Deputy Commissioner, Chief Clerk, Bookkeepers, etc.	\$2,238 70	\$2,557 02	\$3,204 96	\$3,205 02	\$11,005 69
"Labor, Maintenance and Supplies," 1899—					
Horseshoeing	\$10 00				\$10 00
Trap rock and screenings	781 00				781 00
Pinkish gravel	100 00				100 00
Typewriter supplies	10 00				10 00
Telephone rental and tolls	122 35				122 35
Car-fares	59 75				59 75
"Labor, Maintenance and Supplies," 1900—					
Weekly pay-rolls, Laborers, Foremen, Teams, etc.	\$21,869 25	\$14,399 39	\$49,732 73	\$26,155 50	\$111,156 87
Monthly pay-rolls, Assistant Engineers, Inspectors, etc.	4,887 46	3,402 31	5,893 48	2,288 88	16,472 13
Car-fares, hack hire, postage, etc.	148 81	535 04	404 76	798 89	1,887 50
Sharpening and repairing tools	64 60	82 46	91 25	95 45	334 76
Use and care of horses, wagons, etc.	540 00	320 00	370 00	490 00	1,720 00
Repairs to harness and new harness	42 00		3 00		45 00
Supplies, typewriting machines	3 50	4 50	16 00		24 00
Horseshoeing	2 50	5 75	7 50	7 50	23 25
Lumber	19 64	91 06	425 13	12 88	648 71
Repairs to surveying instruments	56 00				56 00
Hardware, oil waste, etc.	11 10	359 08	123 18	90 94	614 30
Rubber stamps, pads	5 65				5 65
Repairs to steam roller	2 00				2 00
Iron and vitrified pipes	132 84	164 10			296 94
Supplies, Engineering Department	210 05	21 30			231 35
Repairs and repainting wagons, etc.	70 00	12 00			82 00
Cement		6 00	3 00		9 00
Coal and wood		85 75		23 00	108 75
Repairs to bicycle		3 50			3 50
Repairs to road machines		298 46	112 82		411 28
Telephone rental and tolls		149 05	140 25	209 85	499 15
Badges			187 00		187 00
Japaned tin signs			50 00		50 00
Cast iron gratings			47 60		47 60
Books, stationery, etc.			19 20		19 20
Repairs to road sprinklers			59 75		59 75
Totals	\$20,069 53	\$16,301 55	\$54,646 13	\$32,731 02	\$123,748 23
"Maintenance of Viaducts and Bridges," 1899—					
Lumber	\$14 00				\$14 00
"Maintenance of Viaducts and Bridges," 1900—					
Weekly pay-rolls, Ship Carpenters, Laborers, etc.	\$26 00	\$1,093 00	\$806 00	\$884 00	\$4,009 00
Building superstructure of the Ireland Mills Bridge	445 00				445 00
Lumber	37 20	313 88	109 66	445 80	906 54
Hardware, nails, spikes, etc.		26 86	28 84	8 80	64 50
Construction of new bridge over Moit Creek, Jarvis Lane, Far Rockaway, N. Y.			985 00		985 00
Totals	\$498 20	\$1,433 88	\$2,125 27	\$1,338 30	\$5,395 65
"Preliminary Surveys," 1900—					
Monthly pay-roll, Assistant Engineer, Rodmen, etc.	\$1,349 96	\$1,386 78	\$1,784 98	\$1,398 38	\$5,920 10
Supplies Engineering Department			75 00	2 00	77 00
Total	\$1,349 96	\$1,386 78	\$1,859 98	\$1,400 38	\$5,997 10

Statement Showing the Amount of Unexpended Balance of Bond Issues, etc.

Town of Newtown Road Improvement Bond Issue, chap. 686, sec. 69, Laws of 1892—	
Unexpended balance, January 1, 1900	\$52,927 71
Disbursements during 1900, Engineers' certificates	\$27,738 07
Pay-roll, Engineering Corps	505 96
Pay-roll, Inspectors	2,072 00
Balance, January 2, 1901	\$22,611 68
Village of Jamaica Street Improvement Fund, chap. 597, sec. 1, Laws of 1897—	
Unexpended balance, January 1, 1900	\$19,570 19
Nothing disbursed during the year 1900, contract to be modified, see Engineer's report.	
Village of Richmond Hill Sidewalk Improvement Fund, title 4, chap. 291, sec. 4, Laws of 1870—	
Unexpended balance, January 1, 1900	\$64,933 70
Judgments paid by the Comptroller, February, 1900, see Vouchers Nos. 1179 and 1188	\$53,718 02
Pay-rolls, Engineering Corps	907 66
Balance, January 1, 1901	\$10,308 02
Old contracts to be modified, see Engineer's report for last quarter of the year.	

Laying asphalt strips, from Thirty-fourth street and Ninety-second street ferries, chap. 378, Laws of 1897—

Unexpended balance, January 1, 1900	\$8,126 87
Engineer's certificate	2,745 02
Balance	\$5,381 85

Retained percentage of \$2,745.02, due November 29, 1901, is the only outstanding liability against the above balance of \$5,381.85.

Borough of Queens, Town of Newtown, Repairs and Maintenance of Highways, Burial Permit Fund—

Unexpended balance, January 1, 1900	\$1,941 02
Nothing disbursed during the year 1900.	
Repaving Streets, Borough of Queens—	
Amount placed to credit of above-titled fund	\$83,235 00

Contract executed July 27, 1900, for regulating and paving with asphalt pavement, on a concrete foundation, the roadway of Hushing avenue, from Henry street to Old Bowery Bay road, Long Island City, at an estimated cost of \$78,750.30, is a charge against the above credit.

Street Improvement Fund—

Old Long Island City Improvement—	
Assessment Work, Surveyors' Fees	\$9,214 18
Street Improvement Fund—	
East Avenue Improvement, Long Island City, assessment to be levied on area benefited—	
Engineer's certificate	\$9,004 07
Pay-rolls, Engineering Corps	452 88
Pay-rolls, Inspectors	273 00
Total disbursed, 1900	\$9,729 95

Respectfully submitted,
WILLIAM J. MURRAY,
Accountant, Department of Highways, Borough of Queens.

DOCUMENT "J."

OFFICE OF THE DEPUTY COMMISSIONER AND CHIEF ENGINEER OF HIGHWAYS
OF THE CITY OF NEW YORK FOR THE BOROUGH OF RICHMOND,
NEW BRIGHTON, S. I., December 31, 1900.

Hon. JAMES P. KEATING, Commissioner of Highways, Nos. 13 to 21 Park Row, New York City:

DEAR SIR—In order that the general routine business of the Department during the past year (which has received your consideration in detail when passing), may be placed for your better information in concise form, I herewith submit my Annual Report of the working of your Department in this borough, briefly outlining some general propositions necessary for the proper continuance of the work for the ensuing year before submitting the detailed account.

The opening of the Twentieth Century finds Richmond Borough in possession of a road system, better than which there is none west of the Atlantic. The condition of the road system of Staten Island, at the opening of the Nineteenth Century, may be indicated by the following extract from a local newspaper published in 1801, in which the following statement occurs:

"We doubt whether a county exists in the United States (so long inhabited as Richmond), so proverbial for the badness of its roads. From one end of the county to the other it is dangerous to travel in the dark, except for those to whom every inch of ground is familiar."

The tone of the local press was unchanged for the better part of the century—there being no change in fact until the present system of macadamized roads was adopted, and the miles and miles of dangerous public thoroughfares were superseded by that of the present.

The roads, streets and avenues of the borough are in a satisfactory condition. The wear upon the improved road system has been less heavy during the past year than in a number of years past. This is in consequence of the fact that teaming with material for new construction has not been as heavy as heretofore. While the year has brought several disastrous storms, the extensive improvement which has taken place in the conduct of the surface water, by way of gutter and culvert, has also materially aided in reducing the amount of injury to improved roadbeds.

No steps, however, other than the preparation of plans for the Arrietta Street Sewerage District, have been taken to reduce the amount of storm water seeking the bay along the highways.

Many defects in the matter of fastening, by means of surfacing a large yardage of pavement, which showed indications of ravelling, and which could not be prevented during the past year, in consequence of the smallness of the appropriation for "Labor, Maintenance and Supplies," will, I may say, be guarded against in the future. Said appropriation having been materially increased for the year 1901, I am quite confident the Department in this borough will be able to state to you in the closing report for the year 1901 a much more satisfactory condition, so far as the longevity of the pavements are concerned, than it has been heretofore able to make.

Although requesting that a small appropriation for preliminary surveys be made for this borough for 1901, the same was not allowed by the Board of Estimate and Apportionment. This, to some extent, will hamper the operations of the Department, as a number of petitions for assessment work are constantly finding their way to the Borough Board; these necessitating preliminary surveys and report, making, therefore (assuming that it is not your disposition to have the work blocked in consequence of a lack of appropriation), a drain upon some other appropriation.

I respectfully beg to call your attention to the fact that, with the exception of the Tompkins avenue contract, the St. Paul's avenue contract and the Woodrow road contract, all the work contracted for by the Board of Supervisors of the County of Richmond, under the County Road Bonds of Richmond County, has been completed, relative to the last two of which, you will recall, the Corporation Counsel forwarded an opinion setting forth the fact that St. Paul's avenue and Woodrow road were not legal contracts, they never having been signed by the Chairman of the Board of Supervisors. In this connection I would beg leave to state that they are both important highways, and the general impression of the residents along the line of those highways is that they were to have been improved under the County Road Bond Fund. This, however, was prevented in consequence of the bids exceeding the amount of the appropriation.

St. Paul's avenue lies in the heretofore Town of Middletown, in which there is a balance from the proceeds of the Middleton Funds of \$6,173.71, this amount being further reduced by about \$950, for the improvement of a small portion of Bradley avenue, leaving about \$5,000 available. If a contract could be let for the general repair of St. Paul's avenue and drawn from the surplus of the Middleton money, it would be the means of improving an important highway and satisfying the residents thereof.

In the matter of the Woodrow road. If a portion of the \$4,000 surplus in the Westfield Bond Account could be used in the improvement of this road, it would accomplish conditions equal to those suggested for St. Paul's avenue.

With the exception of the Southfield Bond Account, the town road bond accounts have, generally speaking, been closed, leaving the following balances:

Southfield Road Fund, at present, \$60,541.26; Southfield Boulevard, \$6,046.24; Middletown Bond Account, \$6,173.71; Westfield, \$4,030.68; County Road Account, \$10,140.31; Tottenville Village Bond Account, \$6.81.

Generally speaking, the balances shown, with the exception of Southfield (the work on which has not been completed), are the result of the final cost of the improvement being kept inside of the preliminary estimate and bid for the same, which is, I take it, a matter of congratulation for the Department. The preliminary estimates were close; but the proposition which did most toward securing this result was the total absence of extras on these contracts.

The absence of water-mains for available sources of supply for sprinkling purposes, within economic hauling distance for much of the mileage of our highway system, has been an expensive matter.

Gradually, the Department, by taking advantage of streams, is reducing this expense. During the coming year I can promise you a still further material reduction in this expense, and the elimination from the workings of the Department of a considerable amount of worry heretofore furnished by the absence of water.

Two repaving contracts, paid from the Repaving Fund of 1898, have been completed, and the share of the railroad companies which is now to be credited to the balance in that fund will leave an amount sufficient for the contracting of a further small yardage of repaving, to be bid for probably at the same time that the contracts are let under the appropriation for 1900.

The information which I have received from your office, to the effect that some of the old square blocks taken up in The City of New York can be secured by this Department, will further materially help the road system by replacing the rough cobble guttering of cross-street dish-gutters with a smooth block which you offer, and for which I take this opportunity to thank you.

In conclusion, permit me to say that the attaches of your Department in this borough have, generally speaking, been painstaking, attentive, careful and accurate in the performance of their various duties, and have, in my judgment, creditably filled the positions of trust to which they have been appointed. I now invite your attention to the detailed report which follows:

ANNUAL REPORT.

During the year 1900 the following amount of work has been done in regulating, grading and paving with macadam pavement the following contracts, in the Borough of Richmond:

Comp. troller's Reg. No.		LINEAR FEET.	MACADAM, SQUARE YARDS.	EXCAVATION, CUBIC YARDS.
<i>County Roads.</i>				
17818	Ocean terrace and Serpentine road.....	4,330	20,354.73	16,296.45
17923	Old Stone road.....	5.9	30	175
17812	Sea View avenue, Todd Hill road, etc.....		510	
<i>Northfield Roads.</i>				
18668	Zeluff avenue.....	630	722.9	
18669	Chelsea road.....	3,575	3,075.3	
18690	Simmons avenue.....	2,795	2,027.7	
<i>Middletown Roads.</i>				
17929	McKee street, etc.....		2,189.2	300.8
17925	Brook street, Wright street, etc.....	3,877	7,461.8	1,910.8
17966	Targem street, etc.....	6.3	22.1	
<i>Westfield Roads.</i>				
17370	Prince's Bay avenue (repairs).....	5,795.3	5,014.5	
17370	Excelsior avenue, Bay View avenue, etc.....	5,539.4	8,616.3	
<i>Village of Tottenville Roads.</i>				
17809	Central avenue, etc.....	9,000	16,000	
<i>Southfield Roads.</i>				
17863	Cliff street, etc.....	30	1,622.0	
17861	Sea avenue, etc.....	2,706.6	7,476	
17877	Statens street, etc.....	6,995.4	12,407.8	
17179	Southfield Boulevard, Section B.....	16,139	29,047	
<i>Assessment Work (Street Improvement Fund).</i>				
1765	Ward avenue.....	2,215		
1769	Trossach road.....	775		

Repaving with Granite Blocks on Concrete Foundation.

Comp. troller's Reg. No.		LINEAR FEET.	SQUARE YARDS OF PAVEMENT.
1783	South street, First Ward.....	640	3,003.05
1751	Broadway, First Ward.....	875	2,333.70

STATEMENT.

Expenditures against Richmond County Road Fund, Town of Middletown Road Fund, Town of Southfield Road Fund, Town of Northfield Road Fund, Town of Westfield Road Fund, Village of Tottenville Road Fund and Southfield Boulevard Road Fund, for the Year ending December 31, 1900.

Regulating, Grading and Paving with Macadam Pavement—

County Road Fund:	
Salaries, Engineer's Corps.....	\$1,258 26
Payments on contracts.....	43,256 83
Pay-rolls of Inspectors.....	2,420 95
Expense accounts.....	622 97
Bills.....	107 50
Total.....	\$49,675 51

Southfield Road Fund:

Salaries, Engineer's Corps.....	\$1,565 56
Payments on contracts.....	29,349 89
Pay-rolls of Inspectors.....	1,476 30
Expense accounts.....	672 70
Bills.....	211 25
Total.....	\$33,275 70

Southfield Boulevard Fund:

Salaries, Engineer's Corps.....	\$2,667 71
Payments on contracts.....	50,808 55
Pay-rolls of Inspectors.....	1,228 50
Expense accounts.....	482 30
Bills.....	408 75
Total.....	\$55,625 81

Middletown Road Fund:

Salaries, Engineer's Corps.....	\$1,120 65
Payments on contracts.....	21,654 90
Pay-rolls of Inspectors.....	1,196 65
Expense accounts.....	107 24
Bills.....	
Total.....	\$24,079 50

Northfield Road Fund:

Salaries, Engineer's Corps.....	\$93 90
Payment on contracts.....	957 60
Pay-rolls of Inspectors.....	434 00
Expense accounts.....	2 65
Bills.....	
Total.....	\$1,483 15

Regulating, Grading and Paving with Macadam Pavement—

Westfield Road Fund:	
Salaries, Engineer's Corps.....	\$604 34
Payments on contracts.....	9,303 93
Pay-rolls of Inspectors.....	432 23
Expense accounts.....	156 90
Bills.....	
Total.....	\$10,497 42

Village of Tottenville Road Fund:

Salaries, Engineer's Corps.....	\$285 34
Payments on contracts.....	6,930 00
Pay-rolls of Inspectors.....	253 40
Expense accounts.....	
Bills.....	
Total.....	\$7,468 74

Expenditures against Repaving Fund, Chapter 378, Section 48, Laws of 1897, and Street Improvement Fund, for the Year ending December 31, 1900.

Paving with Granite Blocks on Concrete Foundation—

Repaving Fund, Section 48:	
Payments on contracts.....	\$7,772 80
Salaries, Engineer's Corps.....	559 48
Pay-rolls of Inspectors.....	553 00
Total.....	\$8,885 28

Street Improvement Fund (after January 1, 1898).

Crosswalks—

Jay street crosswalk:	
Payments on contracts.....	\$53 41
Pay-rolls of Inspectors.....	16 45
Total.....	\$71 86

Regulating, Grading and Paving with Macadam Pavement—

Trossach road:	
Salaries, Engineer's Corps.....	\$86 40
Pay-rolls of Inspectors.....	126 87
Total.....	\$213 36

Regulating, Grading and Paving with Macadam Pavement—

Ward and Occident avenues:	
Payments on contracts.....	\$1,693 93
Salaries, Engineer's Corps.....	234 34
Pay-rolls of Inspectors.....	338 62
Total.....	\$2,266 89

Crosswalks—

Waters avenue, etc., Prohibition Park:	
Pay-rolls of Inspectors.....	102 36
Total.....	\$2,654 47

Trial Balance and Statement as per Ledger, Department of Highways, Borough of Richmond, for the Year ending December 31, 1900.

TITLE OF APPROPRIATION.	SALARIES, INCLUDING ONE-THIRD SALARY OF DEPUTY COMMISSIONER AND CHIEF ENGINEER, AT \$5,000 PER ANNUM.	LABOR, MAINTENANCE, AND SUPPLIES.
Appropriation for year 1900.....	\$47,826 57	\$100,000 00
Total amount of vouchers certified to Comptroller to date.....	15,976 40	\$1,098 69
Balance of appropriation December 31.....	1,910 27	12,001 31
Amount of appropriation to date.....	17,886 57	100,000 00
One-twelfth of appropriation.....	1,490 55	8,333 33
Vouchers certified to Comptroller during current month.....	1,928 28	8,928 22
Amount of contracts outstanding.....		7,728 97

NOTE.—In the balance as above shown, that on Salaries will be reduced and that of Labor, Maintenance and Supplies increased by a transfer of \$1,500 from Salaries to Labor, Maintenance and Supplies.

Public Money Received during the Year.

Special Security Deposits—

For restoring and repaving pavement:	
Water connections.....	\$568 00
Sewer connections.....	289 00
General account.....	651 00
Total (to be refunded when pavement is properly restored).....	\$1,508 00

Special Fund—Restoring and Repaving—

For repairs along electric railroad tracks.....	\$519 94
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Public Money Disbursed during the Year.

Special Security Deposits—

Transmitted to City Chamberlain through Commissioner Keating, amounts over \$1 on deposit April 25, 1900.....	\$1,239 00
Transmitted to City Chamberlain through Commissioner Keating, amounts received from April 25 to December 31, 1900.....	1,118 00
Refunded to depositors, January 2 to April 25, 1900, by check on Bank of Staten Island.....	307 00
Refunded to depositors, April 25 to December 31, 1900, by check on Bank of Staten Island.....	143 00
Total.....	\$2,807 00

Special Fund—Restoring and Repaving—

Transmitted to City Chamberlain through Commissioner Keating, amount received for repairs along railroad tracks.....	\$519 94
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Permits Issued.

Permits to open streets to tap water-pipes.....	221
Permits to open streets to repair water connections.....	749
Permits to open streets to make sewer connections.....	182
Permits to open streets to repair sewer connections.....	60
Permits to place building material on streets.....	51
Permits, special (to construct and repair sidewalks, flagging, curbs and gutters; also to lay and repair gas-pipes).....	1,015
Total.....	2,278

Repairs to Pavement.

Square yards of pavement repaired.....	67,064
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Statement of Laboring Force Employed in the Department of Highways during the Year ending December 31, 1900.

Repairing and renewal of pavements, roads and avenues—	None.
Rollers.....	2,076
Labour.....	162,309
Mechanics.....	134
Teams.....	7,721
Carts.....	4,930
Sprinklers.....	32,076

Miles of Streets Paved during the Year.

	Miles.
With specification granite.....	0.29
With square granite.....	None.
With specification trap.....	None.
With belgian trap.....	None.
With street asphalt.....	None.
With block asphalt.....	None.
With wood.....	None.
With macadam.....	11.96
With cobble.....	None.
With brick.....	None.
With gravel.....	None.
Total.....	12.25

Total Mileage of each Kind of Pavement.

	Miles.
With specification granite.....	0.47
With square granite.....	None.
With specification trap.....	0.03
With belgian trap.....	0.07
With street asphalt.....	None.
With block asphalt.....	None.
With wood.....	None.
With macadam.....	182.38
With brick.....	None.
With cobble.....	None.
With gravel.....	None.
Total.....	182.95

Total mileage of unpaved streets.....	106.24
Total mileage of streets paved and unpaved.....	289.19

NOTE—0.29 miles of specification granite put in to replace macadam.

Contracts Entered Into during the Year ending December 31, 1900.

Regulating, Grading and Paving with Macadam Pavement—	
Assessment Work:	Estimated Cost.
Ward and Occident avenues, in Second Ward.....	\$8,010 25
Trinacch road, in Second Ward.....	2,679 00
Waters avenue, etc., crosswalks.....	860 60
Paving with Granite Blocks on Concrete Foundation—	
Repairing Contracts:	
Broadway, in First Ward.....	10,268 30
South street, in First Ward.....	11,001 15
Labor, Maintenance and Supplies:	
Broken stone and screenings on streets north of Richmond turnpike.....	1,750 00
Broken stone and screenings on Richmond turnpike and streets south thereof.....	13,140 00
Total.....	\$47,649 50

Contracts Completed during the Year.

Regulating, Grading and Paving with Macadam Pavement—	
County Roads—	Total Cost.
Western avenue, No. 53.....	\$22,156 62
Todd Hill road, No. 45.....	33,760 07
Fresh Kill road, No. 28.....	18,378 89
Serpentine road, etc., No. 46.....	35,327 93
Old Stone road, No. 61.....	2,450 00
Lemon Creek Bridge.....	2,125 50
Middletown Roads—	
McKeon street, etc., No. 1.....	16,359 10
Targue street, etc., No. 6.....	25,171 56
Brook street, etc., No. 3.....	8,724 12
Northfield Roads—	
Chelsea road.....	2,033 25
Simonson avenue.....	1,505 50
Zeluff avenue.....	510 00
Southfield Roads—	
De Kalb street, etc., No. 3.....	11,380 19
Sea avenue, etc., No. 6.....	9,942 39
Cliff street, etc., No. 8.....	6,035 40
Washington avenue, No. 9.....	5,169 45
Southfield Boulevard—	
Contract "A".....	57,213 90
Contract "B".....	51,190 57
Westfield Roads—	
Prince's Bay avenue, etc., No. 7.....	9,347 76
Assessment Work—	
Jay and De Kalb streets, crosswalk.....	71 86
Labor, Maintenance and Supplies—	
Broken stone and screenings on streets north of Richmond turnpike.....	1,750 00
Total for year.....	\$320,664 06

HIGHWAY REPORT FOR THE YEAR ENDING DECEMBER 31, 1900.

General Repairs.

Area, square yards.....	60,150
New metal, cubic yards.....	3,516.86
Binder, cubic yards.....	1,403.18
Total cost.....	\$15,059.76
Cost per square yard.....	\$0.253
General repairs uncompleted.....	\$289.00

Patching.

Area, square yards.....	7,814
New metal, cubic yards.....	154.98
Binder, cubic yards.....	29.75
Total cost.....	\$1,936.07
Cost per square yard.....	\$0.2477

NOTE—8,393 square yards of the above general repairs and 1,600 square yards of the above patching made with old metal obtained from repaving work.

Surfacing with Sand.

Area, square yards.....	846,051
Total cost.....	\$2,547.36
Cost per square yard.....	\$0.003

Surface Patching.

Area, square yards.....	20,455
Binder, cubic yards.....	66.98
Total cost.....	\$195.21
Cost per square yard.....	\$0.0095

Section Cleaning.

Area, miles cleaned.....	1,429
Total cost.....	\$33,284.04
Cost per mile.....	\$23.27

Repairing Washouts and Cleaning Culverts.

Expended.....	\$3,646.50
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Cobble Gutter Relaid.

Area, square yards.....	1,520.83
Total cost.....	\$472.50
Cost per square yard.....	\$0.31

New Bridgestone.

Square feet laid.....	916.92
Cost of material.....	\$387.77
Cost of labor and inspection.....	\$112.01
Total cost.....	\$499.78
Cost in place, per square foot.....	\$0.545

Old Bridgestone.

Square feet laid.....	5,316.08
Cost of labor and inspection.....	\$442.83
Total cost.....	\$442.83
Cost in place per square foot.....	\$0.83

Block Pavement.

Square yards relaid.....	28
Total cost.....	\$22.36
Cost per square yard.....	\$0.798

Turnpiking.

Miles.....	82.32
Total cost.....	\$6,343.37
Cost per mile.....	\$77.06

Removing snow—Expended for cleaning crossings, \$106.66.
 Expended for grading sand road with clay, \$197.02.
 Grading—13.19 miles of wings of macadam roads graded. Total cost, \$400.96. Cost per mile, \$30.398.
 Bonding old macadam with steam roller—Expended, \$37.17.
 Miscellaneous—Expended for drivers, pumpers, repairing wings and bridges, removing loose stone, trees and limbs of trees, opening ditches, grading, patrolling, painting stations, etc., \$8,396.06.

NOTE—The above includes labor, supervision and cost of 6,134 feet, B.M., of lumber used in repairing highway bridges.

All of which is respectfully submitted.

HENRY P. MORRISON, Deputy Commissioner and Chief Engineer.

DEPARTMENT OF SEWERS.

DEPARTMENT OF SEWERS—COMMISSIONER'S OFFICE,
May 31, 1901.*Supervisor of the City Record:*

DEAR SIR—In accordance with section 1546, chapter 378, Laws of 1897, I herewith transmit, for publication in the CITY RECORD, a statement of the transactions of the Department of Sewers for the week ending May 18, 1901.

JAS. KANE, Commissioner of Sewers.

	NUMBER OF.	AMOUNT.	AMOUNTS.	
			Appropriations.	Funds.
<i>Moneys Received.</i>				
For sewer permits.....	111	\$2,029 38		
Number of permits issued.....	179			
For new sewer connections.....	123			
For old sewer connections (repairs).....	43			
For other purposes.....	6			
Requisitions drawn on Comptroller.....	15	\$47,398 15	\$17,067 78	\$4,330 37
Linear feet of sewer built.....	4,913			
Number of basins built.....	20			
Linear feet of sewer cleaned.....	75,710			
Number of basins cleaned.....	738			
Linear feet of sewer examined.....	13,098			
Number of basins examined.....	275			
Number of basins repaired.....	10			
Linear feet of sewer repaired.....	360			
Number of manhole heads and covers set.....	9			
Number of manhole heads and covers reset.....	2			
Square yards of pavement relaid.....	11			
Number of basin hoods put in.....	3			
Linear feet of pipe culvert laid.....	21			
Number of basin covers put on.....	6			
Linear feet culverts, drains and ditches repaired and cleaned.....	10,854			
Number of basins relieved.....	1			
Number of manholes built.....	21			
Number of manhole covers put on.....	3			
Cubic feet of brickwork built.....	76			
Number of basin grates put in.....	19			
Linear feet of pipe sewer relieved.....	450			
Cart-loads of dirt removed.....	944			
Cubic feet of earth excavated.....	6,582			

Laboring Force Employed during the Week.

Inspectors of Sewers and Basins.....	15	Assistant Foremen.....	30
Inspector of Pipe Laying.....	1	Firemen.....	10
Inspectors of Construction.....	80	Mechanics.....	20
Inspectors of Sewer Connections.....	26	Laborers.....	367
Foremen.....	50	Horses and Carts.....	110

SALARY INCREASED.

Borough of Manhattan.

Dennis J. Gallagher, No. 46 West One Hundredth street, Secretary to Deputy Commissioner, salary increased from \$1,750 to \$2,100 per annum.

PROMOTED.

Borough of The Bronx.

1 Laborer to Foreman.

DEPARTMENT OF FINANCE.

Abstract of transactions of the Department of Finance for the week ending April 13, 1901.

Deposited in the City Treasury.

To the credit of the City Treasury.....	\$1,185,993 16
To the credit of the Sinking Funds.....	249,835 98
Total.....	\$1,435,739 14

Bonds Issued.

Three per cent. Bonds.....	\$231,814 28
Three and one-half per cent. Bonds.....	450,000 00
Total.....	\$681,814 28

Warrants Registered for Payment.

Appropriation Account—"A" Warrants.....	\$2,770,036 49
Special and Trust Accounts—"B" Warrants.....	339,877 94
Additional Water Fund—"C" Warrants.....	16,925 15
Total.....	\$3,126,839 58

Suits, Orders of Court, Judgments, etc.

COURT.	NAME OF PLAINTIFF.	AMOUNT.	NATURE OF SUIT.	ATTORNEY.
Supreme.	William Hunwick vs. The City of New York.....	.....	Certified copy order entered at a Special Term of the Supreme Court, County of Kings, in the County Court-house, Brooklyn, July 27, 1900, submitting James A. Murtha, Jr., as attorney for plaintiff, in place of Frederick W. Lyburt.....	James A. Murtha, Jr.
"	Jordan L. Bailey vs. The City of New York.....	.....	Order of discontinuance without costs.....	Wilcox Brown, Jr.
"	Julius Meyers vs. The City of New York impleaded with others.....	.....	Certified copy order and notice of entry at a term of the Appellate Division of the Supreme Court, First Department, March 28, 1901, directing that interlocutory judgment be reversed, with costs and disbursements, and that demurrer be overruled, with costs and disbursements (copy bill of costs and notice of adjustment).....	Kellogg & Rose.
"	In re application of the Board of Education, relative to acquiring title to lands at the southwesterly corner of Gouverneur and Monroe streets, Seventh Ward, as a site for school purposes, in re application of the Board of Education, relative to acquiring title to certain lands on the southwesterly corner of Henry and Ruperlye streets, Sixth Ward, Brooklyn, as a site for school purposes.....	.....	(Copy notice of motion returnable at a Special Term of the Supreme Court, County of Kings, May 8, 1901, for an order confirming report of Commissioners in this proceeding).....	John Whalen, Corporation Counsel.
Supreme, Kings.	The People, etc., ex rel. the Town of Salem vs. The City of New York.....	\$95 38	Copy judgment for \$45.35, costs on appeal, and \$50, under order for peremptory writ of mandamus.....	Wilson Brown, Jr.
Supreme, Kings.	The People, etc., ex rel. Elizabeth Nemer vs. Bird S. Coler, Comptroller.....	.....	Copy petition and notice of motion returnable at a Special Term of the Supreme Court, County of Kings, Brooklyn, April 18, 1901, for an order directing the consolidation of taxes and assessments for the years 1899, 1900 and 1901, 1902, 1903, 1904, 1905, on property of relator in this proceeding.....	Somerville & Sheehan.
Supreme.	The Atlantic Dredging Company vs. The Leonard & Foley Construction Company, John C. Rodgers, The Hamilton Bank and The City of New York.....	.....	Copy affidavit and order entered at a Special Term, Part II., of the Supreme Court, April 10, 1901, directing discontinuance of action without costs.....	Clarence W. Ferris.
"	In re application of James C. Lane and Mary A. C. Lane for payment of an award for Parcel No. 553, in proceedings to open the Grand Boulevard and Concourse.....	382 50	Certified copy petition and order entered at a Special Term, Part II., of the Supreme Court, April 4, 1901, directing payment of the sum of \$385, amount awarded to the petitioner in this proceeding.....	John Whalen, Corporation Counsel.
"	In re application of the Board of Street Opening and Improvements relative to acquiring title to lands for Wales avenue.....	\$,435 33	Certified copy order entered at a Special Term of the Supreme Court, First Department, Part I., April 3, 1901, directing the Comptroller to pay to Francis C. Lyon and others, substituted trustees, the sum of \$4,435.33, interest on award made in this proceeding.....	Truman H. Baldwin.
Surrogates.	The People, etc., to the Home for Invalids, The City of New York, St. Luke's Hospital, Woman's Hospital, The Tribune Fresh Air Fund Aid Society and Edith H. Simmons.....	.....	Citation to appear at the Surrogates' Court May 17, 1901, in the matter of the judicial settlement of the account of proceedings of the Farmers' Loan and Trust Company, temporary administrator, etc.....	
Supreme, Kings.	The People ex rel. Albert D. Buschman vs. Bird S. Coler, Comptroller.....	.....	Copy order to show cause, at a Special Term of the Supreme Court, County Court-house, Brooklyn, April 15, 1901, why a peremptory writ of mandamus should not issue directing the Comptroller to correct erroneous assessment on property of the plaintiff in this action.....	George Eckstein.
Supreme.	In re application of the Mayor, etc., relative to acquiring title to Fordham road (in petition of James H. Brewster).....	1,972 74	Certified copy order and notice of entry at a Special Term, Part I., of the Supreme Court, March 28, 1901, directing payment into Court of the sum of \$2,072.74, amount awarded to unknown owners, for Parcel No. 4 in this proceeding.....	Hawke & Flannery.

COURT.	NAME OF PLAINTIFF.	AMOUNT.	NATURE OF SUIT.	ATTORNEY.
Supreme.	In re application of John Lyness for payment of an award for Parcel No. 64, in proceedings to open Katonah avenue, from Eastchester avenue to Mount Vernon avenue.....	\$152 50	Certified copy order entered at a Special Term, Part I., of the Supreme Court, March 8, 1901, directing payment of the sum of \$152.50, amount awarded to petitioner for Parcel No. 64 in this proceeding.....	William T. Carlisle.
"	In re application of Madeline Pierce to vacate a certain tax sale made for unpaid taxes on property in the Borough of The Bronx.....	.....	Certified copy order entered at a Special Term of the Supreme Court, Part I., March 1, 1901, directing cancellation of assessments on property of the petitioner in this proceeding.....	Henry R. Ham.
Supreme, Kings.	Samuel Pomeroy vs. The City of New York.....	26 00	Certified copy order of discontinuance, with consent and notice of entry, at a Special Term of the Supreme Court, held at Kings County, Brooklyn, April 11, 1901, directing payment to the plaintiff of the sum of \$26, amount of costs in this action.....	John Whalen, Corporation Counsel.
"	Christian Ranhofer vs. The City of New York.....	16 00	Certified copy order of discontinuance, with consent and notice of entry, at a Special Term of the Supreme Court, held at Kings County, Brooklyn, April 11, 1901, directing payment to the plaintiff of the sum of \$16, amount of costs in this action.....	John Whalen, Corporation Counsel.
Supreme.	Morris E. Gregory vs. Luke A. Burke, City Trust, Safe Deposit and Trust Company of Philadelphia, and The City of New York.....	.....	Copies, summonses and complaints, as follows:	Enders & Traubman.
"	George Goepfert vs. The City of New York.....	.....	.....	Charles T. Duffy.
"	The United States Motor Supply Company vs. Patrick J. Walsh, John Collier, Michael Collier, The Board of Education, The City of New York, National Surety Company, Thomas J. McElrath, Charles J. Cannon, and John J. McGrath.....	.....	.....	Ernest F. Eidlitz.
"	James J. Mahan vs. The City of New York.....	.....	.....	McKee & Beebe.
Supreme, Kings.	Griesinger & Transman.....	4,300 00	Transcripts of judgments, as follows:	Purdy & Squire.
Supreme, Queens.	James M. Joyce.....	\$7 91	.....	J. Garrison.
Supreme, Richmond.	George J. Greenfield, George Simmons vs. Board of Education.....	\$57 28	.....	A. D. Greenfield.
Supreme, N. Y.	Patrick Curley vs. The City of New York and Samuel A. Robinson.....	19,619 90	.....	Townsend & McIlvaine.
"	New York News Publishing Company vs. The Mayor, etc.....	2,271 45	.....	Lamb, Osborne & Peirce.
Supreme, Kings.	William Hunwick.....	260 00	.....	M. J. Stein.
"	Edward Brun.....	2,150 00	.....	J. A. Murtha, Jr.
"	James J. Cosme.....	198 87	.....	B. F. Chadsey.
"	John Drake.....	153 47	.....	J. A. Quinlan.
"	Thomas D. Doran.....	56 80	.....	"
"	William E. Dolan.....	212 12	.....	"
"	Henry J. Enricken.....	38 48	.....	"
"	Thomas F. Evans.....	221 24	.....	"
"	Robert Flynn.....	175 14	.....	"
"	George H. Frederick.....	37 82	.....	"
"	John W. Farrell.....	38 94	.....	"
"	Louis Hamburger.....	47 91	.....	"
"	John A. Hannan.....	137 79	.....	"
"	George C. Hennessy.....	71 11	.....	"
"	John Kelly.....	64 15	.....	"
"	Charles E. Morion.....	999 12	.....	"
"	Frederick O. Miller.....	205 44	.....	"
"	John J. McTigue.....	216 62	.....	"
"	James J. McCarthy.....	133 37	.....	"
"	Henry J. Riley.....	107 10	.....	"
"	Lewis H. Shaw.....	90 51	.....	"
"	William J. Stampf.....	222 18	.....	"
"	Henry J. Smith.....	141 25	.....	"
"	Herman Weigel.....	104 01	.....	"
"	Frederick Wardell.....	199 22	.....	"
"	Almore H. Wardell.....	203 83	.....	"
"	William F. Windhorst.....	123 47	.....	"

Claims Filed.

DATE.	NAME OF CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.
1901.				
Apr. 6	Adolph Berger.....	\$4,345 83	Amount recovered by claimant on judgment against The City of New York.....	Abraham B. Schleimer.
" 8	Henry E. Abell.....	.....	Amount of salary due as Commissioner of Police Department for the month of March, 1901, at the rate of \$5,000 per annum.....	"
" 8	.....	.....	Refund of amounts paid for assessments for various public improvements, as follows:	G. F. G. Megill.
" 8	James L. Valentice, Johnston Livingston, John F. McIntyre.....	\$4 93 81 00 5,000 00	Compensation for professional services rendered as Special Counsel to District Attorney Philbin, under chapter 86, Laws 1898, in presenting case of The People, etc., vs. Samuel J. Kennedy, from January 2, 1901, to February 25, 1901.....	"
" 8	William Craver.....	70 00	For use of premises No. 225 Southern Boulevard, for the storage of booths on Election Day, November 6, 1900, and for various other election purposes.....	Mayer & Gilbert.
" 9	William S. Devery.....	.....	For salary as Chief of Police of the New York Police Force for the month of March, 1901.....	"
" 9	Mary Nichols Cox.....	215 58	For balance of salary and arrears under the Davis Act, as Teacher in the Wadleigh High School, between September 12, 1899, and July 1, 1900.....	Henry M. Haviland.
" 9	.....	.....	Awards for damages for change of grade of East One Hundred and Sixty-ninth street, from Jerome avenue to the Concourse, as follows:	Truman H. Baldwin.
"	Patrick McGlone.....	250 00	.....	"
"	Joseph Dillon.....	150 00	.....	"

DATE.	NAME OF CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.	DATE.	NAME OF CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.
1901. Apr. 3	John Deanelein..... Ernest Frima, Jr., and others..... William C. Berbert..... Louis Lehmann..... Elizabeth Potrich..... Charles J. Weiss..... Beverly Roblman, executor..... Georgina Dash..... Christiana Denhard and others, ad- ministrators..... Carl F. G. Brandt.....	\$978 00 500 00 209 36 3,375 00 375 00 1,661 50 758 35 976 43 1,959 89 1,477 95	Awards made for land taken in various pro- ceedings, as follows:	Hawke & Flannery.	1901. Apr. 12	Henry Meyer.....	\$5,000 00	Damages for personal injuries received by driving into a watering-trough extend- ing into the highway near the corner of Jackson avenue and Seventh street, Long Island City, Queens, December 3, 1900.....	Dalby, Bell & Crane.
" 10	James J. Nealis.....	91 80	For transcripts of minutes as per order of the Court in naturalization cases during May, 1900.....	"	" 12	James J. Nealis.....	114 00	For transcripts of stenographic minutes taken by order of the Court in naturaliza- tion cases during April and May, 1900.....	"
" 13	Hugh Reilly.....	5,000 00	Damages for personal injuries received by slipping on the ice and falling upon the sidewalk in front of premises Nos. 130 and 132 West Seventeenth street, Febru- ary 2, 1901.....	John J. O'Connell.	" 18	Mary Nichols Cox.....	337 58	For balance of salary and arrears under the Davis Act for services as Teacher in the Wadleigh High School, between Septem- ber 10, 1890, and July 1, 1900.....	Kesley & Haviland.
" 13	John Walsh.....	10,000 00	Damages for personal injuries received by falling upon the sidewalk at the corner of William and Van Brunt streets, March 23, 1901.....	William O. Miles.	" 12	Margaret McGarry.....	3,780 35	Damages for injury to property at No. 360 Leonard street, Brooklyn, by the over- flow of water from drains running under Van Pelt avenue and Leonard street, Brooklyn.....	J. Stewart Ross.
" 11	Lena Weiss.....	"	Damages for personal injuries received by reason of an excavation in the walk in front of the free bath at the foot of Third street, East river.....	Gesa Elshhorn.	" 12	John Beyerdorfer.....	50 00	Rent of premises No. 1809 Amsterdam av- enue, leased by the Bureau of Elections for election purposes.....	L. G. Frauenthal.
" 12	William Caldwell.....	10,000 00	Damages for personal injuries received by slipping and falling on the ice on the sidewalk at the northwest corner of Nos- trand avenue and De Kalb avenue, Brooklyn, February 9, 1901.....	Charles J. Patterson.	" 12	William F. Daly.....	5,899 18	For extra work as General Foreman in De- partment of Public Works, and for furnishing horse and wagon during period from April 13, 1895, to September 1, 1897.....	Daniel J. Earle.
" 11	Mary E. Craigie.....	30,000 00	For damages to property at Millburn, Nassau County, by the erection and mainte- nance of pumping station by the City of Brooklyn.....	A. N. Weller.	" 12	"	467 00	For difference between wages received and the prevailing rate at time of service as General Foreman, Department of Public Works.....	"
" 11	John Donagan.....	10,000 00	Damages for personal injuries received by stepping upon a defective cover over a coal hole in the sidewalk on the west- erly side of Third avenue, south of First street, Brooklyn, April 7, 1901.....	Elliott, Jones & Escher.	" 13	Alexander J. Mc- Collum.....	9,432 54	For coal furnished to the Department of Public Charities, Brooklyn, during Janu- ary, February and March, 1901.....	Daily, Bell & Crane.
" 12	Louis Wertheimer.....	2,000 00	Damages for personal injuries received by reason of an explosion in a building at the northwest corner of Warren and Greenwich streets, October 29, 1900, owing to the alleged negligence of the City in permitting the storage of chemi- cals, explosives, etc., in said building.....	"	" 12	"	"	For interest on surplus moneys arising from a sale for non-payment of taxes, sold pur- suant to provisions of chapter 583, Laws of 1888, as follows:	M. J. Brown.
						Melvin Brown.....	10 50		"
						Mortimer J. Brown.....	18 38		"
						Michael J. Coffey.....	3 25		"
						Annie E. Decker.....	70 38		"
						Joseph Frank.....	50 85		"
						P. H. Flynn.....	62 85		"
						"	281 24		"
						"	21 21		"
						"	3 47		"
						"	5 70		"
						Anna M. Gale.....	114 06		"
						Estate of Howard.....	40 00		"
						Julius Kaufmann.....	11 52		"
						"	11 25		"
						Henry W. Lee, guar- dian.....	41 10		"
						G. A. Recknagel.....	136 64		"
						"	98 02		"
						Elaine F. Seaton.....	6 75		"
						Wright S. Travis.....	49 10		"

CONTRACTS REGISTERED FOR THE WEEK ENDING APRIL 13, 1901.

No.	DATE OF CONTRACT.	DEPARTMENT.	BOROUGH.	NAMES OF CONTRACTORS.	NAMES OF SURETIES.	AMOUNT OF BOND.	DESCRIPTION OF WORK.	COST.
3727	Mar. 2, 1901	Education.....	Manhattan, The Bronx, Brooklyn, Richmond.	Public School Publishing Company.....	Harold Swahn..... Henry K. Hahn.....	\$150 00	For furnishing and delivering supplies (books) for the public schools of The City of New York, boroughs of Manhattan and The Bronx, Brooklyn and Richmond..... Estimate	\$391 00
3728	" 25 "	Sewers.....	The Bronx.....	S. M. De Pasquale.....	American Surety Company of New York..... Fidelity and Deposit Com- pany of Maryland.....	45,000 00	For temporary sewers and appurtenances in Fifth avenue, between Fif- teenth street and 80 feet south of Tenth street; Fifth avenue, between Seventh street and Arthur street; Fourth avenue, between Fifteenth street and Randall street; Maple avenue, between First street and Ruxkin street; Prospect terrace, between Fifteenth street and Thirtieth street; Briggs avenue, between White Plains avenue and summit east of White Plains avenue; Logan street, between White Plains avenue and Maple avenue; Arthur street, between Fourth avenue and Sixth avenue; Jerome street, between White Plains avenue and 235 feet east of Maple avenue; Shield street, between Fourth avenue and 305 feet east of Fifth avenue; First street, between White Plains avenue and 105 feet east of Sixth avenue; Second street, between White Plains avenue and 105 feet east of Sixth avenue; Third street, between White Plains avenue and 474.7 feet east of Fifth avenue; Fourth street, between White Plains avenue and 512.2 feet east of Fifth avenue; Sixth street, between White Plains avenue and 350 feet east of Fifth avenue; Seventh street, between White Plains avenue and Fifth avenue; Eighth street, be- tween White Plains avenue and 510 feet east of Fourth avenue; Ninth street, between White Plains avenue and 700 feet east of Fourth avenue; Tenth street, between White Plains avenue and 80 feet east of Fifth avenue; Eleventh street, between White Plains ave- nue and Cora lane; Twelfth street, between White Plains avenue and 265 feet east of Fifth avenue; Thirteenth street, between White Plains avenue and 660 feet east of Fifth avenue; Four- teenth street, between White Plains avenue and Sixth avenue; Fifteenth street, between White Plains avenue and 515 feet east of Fifth avenue; and Randall street, between Maple avenue and Fourth avenue..... Estimate	\$5,725 75
3729	" 18 "	"	Brooklyn.....	Frank D. Creamer.....	John Gallagher..... Edward Johnson.....	3,000 00	For furnishing, delivering and housing 5,000 barrels of No. 1 Maine rock lime, Department of Sewers, Borough of Brooklyn..... Estimate	5,280 00
3730	" 20 "	Parks.....	Brooklyn and Queens.....	William F. Perkins.....	W. R. Comfort..... William Walsh.....	800 00	For furnishing and delivering wood ashes and ground bone, Depart- ment of Parks, boroughs of Brooklyn and Queens..... Estimate	1,894 37
3731	" 21 "	Education.....	Queens.....	Solon G. Bishop.....	Charles Richter..... James J. Rider.....	400 00	For furnishing and operating stages to convey pupils from head of village road to Jamaica avenue to Public School No. 25, thence to Flushing Public School No. 30 and return, from February 1 to April 1, 1901, inclusive, and from October 1 to December 31, 1901, inclusive..... Total	336 60
3732	" 25 "	Public Charities.....	Manhattan and The Bronx.....	Brown's Insecticide Com- pany.....	American Surety Company of New York..... Fidelity and Deposit Com- pany of Maryland.....	500 00	For banishment and destruction of cockroaches, water bugs, etc., Department of Public Charities, Boroughs of Manhattan and The Bronx..... Total	300 00
3733	" 25 "	"	Manhattan and The Bronx.....	Brown's Insecticide Com- pany.....	American Surety Company of New York..... Fidelity and Deposit Com- pany of Maryland.....	375 00	For extermination of rats and mice in all the institutions of Depart- ment of Public Charities, Boroughs of Manhattan and The Bronx..... Total	750 00
3734	Apr. 5 "	"	Manhattan and The Bronx.....	John H. Meyer.....	The United States Fidelity and Guaranty Company, The City Trust, Safe De- posit and Surety Com- pany of Philadelphia.....	1,400 00	For furnishing and delivering 500 tons of egg coal at Gouverneur Hospital, Department of Public Charities, Boroughs of Manhat- tan and The Bronx..... Total	1,250 00
3735	Mar. 8 "	Education.....	Manhattan, The Bronx and Brooklyn.....	E. L. Kellogg & Co.....	Herbert S. Kellogg..... Herbert W. Park.....	50 00	For furnishing and delivering supplies (books) to the public schools of The City of New York, boroughs of Manhattan, The Bronx and Brooklyn..... Estimate	190 00
3736	" 30 "	Parks.....	Brooklyn and Queens.....	John F. Maille.....	The United States Fidelity and Guaranty Company, The City Trust, Safe De- posit and Surety Com- pany of Philadelphia.....	2,000 00	For furnishing and delivering topsoil to Department of Parks, bor- oughs of Brooklyn and Queens..... Estimate	3,906 25
3737	Apr. 1 "	Fire.....	Manhattan and The Bronx.....	John Mooney.....	Louis Scheremeier..... John A. Antony.....	7,000 00	For furnishing and delivering sewage to Fire Department, boroughs of Manhattan and The Bronx..... Total	12,757 00
3738	" 2 "	Parks.....	Manhattan and Richmond.....	The Sicilian Asphalt Pav- ing Company.....	Fidelity and Deposit Com- pany of Maryland..... American Surety Company of New York.....	2,500 00	For paving with rock-asphalt mastic the gutters of a portion of West drive in Central Park, Borough of Manhattan..... Estimate	6,095 12
3739	" 9 "	Sewers.....	The Bronx.....	William E. Webb.....	The Union Surety and Guar- anty Company..... The City Trust, Safe De- posit and Surety Com- pany of Philadelphia.....	4,000 00	For sewer and appurtenances in Macomb's road, from Inwood av- enue to Cronwell avenue, and in Cronwell avenue, from Macomb's road to East One Hundred and Seventieth street..... Estimate	6,402 00

Approval of Sureties.

The Comptroller approved of the adequacy and sufficiency of the sureties on the following proposals, viz.:

1901.

April 8. For furnishing bed-frames, etc., Borough of Brooklyn—For Department of Corrections.

John Early's Sons, No. 127 Reade street, Principals.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The Union Surety and Guaranty Company, No. 290 Broadway, } Sureties.

April 8. For building sewers in Macomb's road and Inwood avenue, Borough of The Bronx—For Department of Sewers.

W. E. Welch, No. 665 Lexington avenue, Principal.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The Union Surety and Guaranty Company, No. 290 Broadway, } Sureties.

April 9. For building a sewer in Centre street, Borough of Brooklyn—For Department of Sewers.

Frank J. Gallagher, No. 574 Park avenue, Principal.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The United States Fidelity and Guaranty Company, No. 140 Broadway, } Sureties.

April 9. For building a sewer in Varona street, Borough of Brooklyn—For Department of Sewers.

John J. Malmsey, No. 443 Sackett street, Principal.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The United States Fidelity and Guaranty Company, No. 140 Broadway, } Sureties.

April 10. For furnishing provisions, etc., boroughs of Brooklyn and Queens—For Department of Public Charities.

Charles A. Matlage, No. 335 Greenwich street, Principal.
James A. Craig, No. 314 West Thirtieth street, } Sureties.
Frank Akeis, No. 81 Manhattan avenue, }

April 10. For furnishing provisions, etc., boroughs of Brooklyn and Queens—For Department of Public Charities.

C. E. Ayer, No. 23 Tenth avenue, Principal.
American Surety Company of New York, No. 100 Broadway, } Sureties.
Fidelity and Deposit Company of Maryland, }

April 10. For furnishing groceries, etc., boroughs of Brooklyn and Queens—For Department of Public Charities.

Conroy & Gannon, No. 31 Clinton street, Principals.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The United States Fidelity and Guaranty Company, No. 140 Broadway, } Sureties.

April 10. For grading grounds, laying water pipes, erecting drinking fountain, etc., Botanical Gardens, Borough of The Bronx—For Department of Parks.

The Wilson & Ballie Manufacturing Company, No. 85 Ninth street, Principals.
Fidelity and Deposit Company of Maryland,
The United States Fidelity and Guaranty Company, No. 140 Broadway, } Sureties.

April 11. For building sewers in East One Hundred and Eighty-first street and Arthur avenue, Borough of The Bronx—For Department of Sewers.

Murray & McAvoy, No. 435 West One Hundred and Fifty-third street, Principals.
Timothy J. O'Connell, No. 536 West One Hundred and Thirty-first street, } Sureties.
Theodore F. Tonn, Twelfth avenue and One Hundred and Thirty-third street, }

April 11. For building a sewer in Rochester avenue, Borough of Brooklyn—For Department of Sewers.

Dennis Norton, No. 301 Douglass street, Principal.
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway,
The United States Fidelity and Guaranty Company, No. 140 Broadway, } Sureties.

April 12. For furnishing groceries, etc., Borough of Manhattan—For Department of Correction.

William T. Gillett, Jr., No. 68 Hudson street, Principal.
Charles K. Sherwood, No. 141 Franklin street, } Sureties.
Joseph Veith, No. 113 East Fifty-sixth street, }

April 12. For furnishing supplies, boroughs of Manhattan and The Bronx—For Department of Public Charities.

Hall, Grierson & Co., No. 310 Third avenue, Principals.
N. N. Brockway, Ashland House,
William H. Seale, No. 50 East Eighty-second street, } Sureties.

April 12. For furnishing provisions, etc., boroughs of Brooklyn and Queens—For Department of Public Charities.

Manhattan Supply Co., No. 160 Duane street, Principal.
James S. Barron, No. 329 West Twenty-second street, } Sureties.
William H. Barron, No. 320 West Seventy-seventh street, }

April 12. For furnishing hospital supplies, boroughs of Brooklyn and Queens—For Department of Public Charities.

George C. McKean, No. 91 Fulton street, Principal.
The United States Fidelity and Guaranty Company, No. 140 Broadway,
The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway, } Sureties.

Opening of Proposals.

The Comptroller, by representative, attended the opening of proposals at the following Departments, viz.:

1901.

April 8. For furnishing labor, materials and completing the repairs and alterations to the Kings County Hospital—For Department of Public Charities.

April 11. For furnishing materials and erecting the range of horticultural buildings in the Botanical Gardens, Bronx; also for furnishing and delivering broken stone; also for constructing stone wall and other work at entrance to Central Park and Sixty-sixth street and Central Park, West—For Department of Parks.

April 11. For laying water-mains in Napier, Nelson, River, Valentine and other avenues, and for furnishing lubricating and other oils for the boroughs of Manhattan, Brooklyn and Queens—For Department of Water Supply.

April 12. For forage for the Borough of Brooklyn—For Department of Street Cleaning.

Official Designations.

Michael T. Daly, Deputy Comptroller, to act as Comptroller from Monday, April 8, to Saturday, April 13, 1901, both days inclusive.

Edgar J. Levey, Deputy Comptroller, to act as Comptroller on Wednesday, April 10, 1901.

Died.

Edwin B. Spinner, Clerk in the Bureau for the Collection of Assessments and Arrears, Brooklyn, April 11, 1901.

M. T. DALY, Deputy Comptroller.

APPROVED PAPERS.

Approved Papers for the Week ending June 1, 1901.

No. 583.

Whereas, The Board of Estimate and Apportionment has duly transmitted to the Municipal Assembly a certain proposed ordinance granting to the West Tenth Street Connecting Railway Company franchises or privileges for constructing, maintaining and operating a street surface railroad through, upon and along certain streets, avenues and highways in The City of New York, said Board having found the compensation in said ordinance originally proposed to be paid to be inadequate, and having fixed, adopted and determined the terms upon which such franchises or privileges should be granted to be as follows:

Fourth—The said West Tenth Street Connecting Railway Company shall, for and during the first five years after the commencement of the operation of any portion of its railroad, annually, on November 1, pay into the treasury of the City, to the credit of the Sinking Fund thereof, three per cent. of its gross receipts for and during the year ending September 30 next preceding; and after the expiration of such five years make a like annual payment into the treasury of the City, to the credit of the same fund, of five per cent. of its gross receipts, as required by section 95 of the Railroad Law, but such percentage of gross receipts shall not be less than one hundred and fifty dollars (\$150) annually for the first five years, and not less than three hundred dollars (\$300) annually thereafter.

That but one fare shall be exacted for passage over the railroad constructed under this grant and over the lines of any railroad system or systems operated in connection therewith, and that the gross receipts from joint business shall be divided in the proportion that the length of said railroad operated hereunder shall bear to the entire length of the railroad system or systems which shall be operated in connection therewith, and of the railroad to be constructed hereunder.

Wherever and whenever this connecting railway shall make it possible for the cars of a non-percentage paying line to operate upon the tracks of a percentage paying line, the former line shall keep a separate and accurate account of all fares collected from passengers who enter said cars upon the routes of percentage lines and account to the City for them, the same as if they had been collected by the percentage line, and to pay the same percentages thereon as is now provided by law to be paid by the company upon whose routes they operate; and

Whereas, Said proposed ordinance, with the amendments thereto suggested and recommended by the Board of Estimate and Apportionment, has been referred to the Railroad Committee of the Council; and

Whereas, Said Railroad Committee has so amended said proposed ordinance in accordance with such suggestions and recommendations, and has made its report to its house to that effect; now therefore be it

Resolved, That the report of the Railroad Committee of the Council be and the same hereby is approved, ratified and confirmed; and further

Resolved, That the proposed ordinance in said report contained be and the same hereby is approved; further

Resolved, That if the Board of Aldermen concur, said proposed specific grant as amended, the terms of which have been duly approved by resolution of the Board of Estimate and Apportionment embodied in the form of an ordinance, with all the terms and conditions, including the provisions as to rates, fares and charges, be published at least twenty (20) days in the CITY RECORD, and at least twice in two daily newspapers published in the City, to be designated by the Mayor, at the expense of the proposed grantee.

Adopted by the Council, May 21, 1901.

Adopted by the Board of Aldermen, May 21, 1901.

Approved by the Mayor, May 24, 1901, and the "New York Herald" and the "New York Journal and Advertiser" designated.

No. 588.

Resolved, That permission be and the same is hereby given to Jacob Fischel to erect, keep and maintain bay-windows, as shown upon the accompanying diagram, in front of the premises to be constructed on the northwest corner of Clinton and Grand streets, in the Borough of Manhattan, the dimensions of said bay-windows not to exceed those prescribed by law, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 21, 1901.

Adopted by the Council, May 21, 1901.

Approved by the Mayor, May 25, 1901.

No. 589.

Resolved, That permission be and the same is hereby given to James P. Lennon Association to parade with an advertising wagon through the thoroughfares of the Borough of Manhattan, provided the advertising matter displayed thereon be of an unobjectionable character, the work to be done at its own expense, under the direction of the Chief of Police; such permission to continue only until June 15, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Approved by the Mayor, May 27, 1901.

No. 590.

Resolved, That permission be and the same is hereby given to George Hillen to place, erect and keep storm-doors in front of his premises on the southwest corner of Sixth avenue and Forty-second street, in the Borough of Manhattan, provided the dimensions of said storm-doors shall not exceed those prescribed by law, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, April 2, 1901.

Adopted by the Council, May 21, 1901.

Approved by the Mayor, May 27, 1901.

No. 591.

Resolved, That permission be and the same is hereby given to George N. Joyce to place and keep an ornamental clock in front of the second story of the premises No. 123 Nassau street, in the Borough of Manhattan, said clock not to extend beyond the building line more than three feet three inches and not to be used for advertising purposes, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, April 23, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 592.

Resolved, That William F. Lease of No. 295 East Tenth street, Borough of Manhattan, be and he is hereby appointed a City Surveyor.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 593.

Resolved, That permission be and the same is hereby given to Messrs. J. Ehrlich's Sons to keep and maintain a post surmounted by a clock on the sidewalk near the curb in front of their premises, No. 217 Broadway, in the Borough of Manhattan, provided the dimensions of said post shall not exceed eighteen inches square at the base, and the clock shall not be used for advertising purposes, the work to be done at their own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 594.

Resolved, That permission be and the same is hereby given to J. Ehrlich's Sons to keep and maintain a post surmounted by a clock on the sidewalk near the curb in front of their premises No. 1345 Broadway, Borough of Manhattan, provided the dimensions of said post shall not exceed eighteen inches square at the base, and the clock shall not be used for advertising purposes, the work to be done at their own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 595.

Resolved, That permission be and the same is hereby given to Giovanni La Rosa to erect, keep and maintain a fruit stand, within the stoop-line, in front of the premises No. 243 Third avenue, Borough of Manhattan, subject to the conditions of the ordinance in such case made and

provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 596.

Resolved, That permission be and the same is hereby given to Antonio Porcelli to erect, keep and maintain a stand for the sale of fruit within the stoop-line in front of the premises No. 2540 Eighth avenue, in the Borough of Manhattan, subject to the conditions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 597.

Resolved, That the Board of Estimate and Apportionment be and they are hereby respectfully requested to appropriate a sufficient amount of money to provide for the extension of the Rapid Transit System in the Borough of The Bronx to the city line.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 598.

Resolved, That Vincent F. Hart of No. 324 East One Hundred and Twentieth street, in the Borough of Manhattan, be and he hereby is appointed a City Surveyor.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 599.

Resolved, That permission be and the same is hereby given to Joseph F. Poey to erect, place and keep a sign in front of the office of the "Brooklyn Times," at No. 96 Broadway, Town of Flushing, Borough of Queens, said sign to extend out from the said building about two feet over the sidewalk, and to comply in all respects with the provisions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 600.

Whereas, There is a very general demand from the residents of South Brooklyn for an extension of rapid transit facilities by means of a spur running south from the Fulton street extension as now projected and recommended by the Board of Rapid Transit Railroad Commissioners; and

Whereas, Such demand seems to be reasonable; now

Resolved, That the Board of Estimate and Apportionment be and they hereby are respectfully requested to appropriate the necessary moneys to enable such spur to be constructed.

Adopted by the Council, May 7, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 601.

Resolved, That permission be and the same is hereby given to the following-named persons, whose applications for stands have been indorsed by the Aldermen of the districts in which they are to be located, to erect, keep and maintain stands for the sale of newspapers, periodicals, fruit and soda water and for bootblacking purposes, within the stoop-lines, at the locations set respectively opposite their names, and in compliance with the provisions of the ordinance in such case made and provided:

By the President—

Soda-water Stands—Sam Lipchitz, northeast corner Twenty-eighth street and Third avenue, Manhattan; Samuel Karman, No. 561 Second avenue, Manhattan.

Fruit Stand—Salvatore Santacroce, No. 562 Second avenue, Manhattan.

By the Vice-President—

Fruit Stands—Giuseppe Ferrara, No. 1559 Second avenue, Manhattan; Dominick Michel, No. 1411 Third avenue, Manhattan; Giuseppe Marchesa, No. 1597 Second avenue, Manhattan; Severio Parlato, No. 1576 First avenue, Manhattan; Antonio Saverese, northeast corner Second avenue and Seventy-ninth street, Manhattan; Arnold Kallman, No. 1331 Third avenue, Manhattan.

Newspaper Stands—Bernard Tove, No. 1466 Third avenue, Manhattan; Frederick Fredricks, No. 1469 Third avenue, Manhattan.

Bootblack Stands—Matthew White, No. 1560 Second avenue, Manhattan; John J. O'Reilly, northwest corner Second avenue and Eightieth street, Manhattan; John Metzger, northwest corner Third avenue and Seventy-eighth street, Manhattan; Thomas Farron, No. 184 East Eighty-second street, Manhattan; Harry Cordes, No. 1561 Second avenue, Manhattan.

Soda-water Stand—Matthew White, No. 1560 Second avenue, Manhattan.

By Alderman Alt—

Soda-water Stands—Jacob Wax, No. 1817 Pitkin avenue, Brooklyn; Julius Hutter, No. 1839 Pitkin avenue, Brooklyn; Barnett Kozinsky, No. 212 Sutter avenue, Brooklyn.

By Alderman Bridges—

Fruit Stands—Luigi Caligari, southeast corner Fulton street and Myrtle avenue, Brooklyn; Genaro Calendrello, No. 30 Main street, Brooklyn.

Bootblack Stand—Luigi Caligari, southeast corner Fulton street and Myrtle avenue, Brooklyn.

By Alderman Burrell—

Bootblack Stands—George H. Buschmann, No. 1582 Third avenue, Manhattan; Frank Vassallazzo, No. 1732 Second avenue, Manhattan; Salvatore Liferi, No. 1604 Third avenue, Manhattan; Salvatore Liferi, No. 1622 Third avenue, Manhattan.

Fruit Stands—Giovannide de Maio, No. 1588 Third avenue, Manhattan; Emil B. Johannsen, No. 1722 Second avenue, Manhattan; F. Mayewski, No. 1683 First avenue, Manhattan; Clemente Attanasio, No. 1586 Avenue A, Manhattan; Gaetano Kossano, No. 1714 Second avenue, Manhattan; Clemente Attanasio, No. 1593 Avenue A, Manhattan.

By Alderman Cariani—

Bootblack Stands—Joseph Abiango, No. 991 Sixth avenue, Manhattan; Michael Gallo, No. 951 Sixth avenue, Manhattan.

Fruit Stands—Atarite Achille, No. 1141 Park avenue, Manhattan; Moses Ochs, No. 1115 Park avenue, Manhattan.

By Alderman Cronin—

Soda-water Stands—Nathan Cohen, No. 1 Mulberry street, Manhattan; S. Waldman, No. 159 Park row, Manhattan.

By Alderman Culkis—

Fruit Stand—Samuel B. Althuse, No. 98 Ninth avenue, Manhattan.

Newspaper Stand—Harry Rawitz, No. 76 Seventh avenue, Manhattan.

By Alderman Delano—

Bootblack Stand—Frank E. Cohanks, No. 991 Fulton street, Brooklyn.

By Alderman Dowling—

Fruit Stands—Giovanni Helsole, No. 225 Ninth avenue, Manhattan; John Meyer, No. 630 West Twenty-fourth street, Manhattan.

Bootblack Stand—Giovanni Volino, No. 351 Ninth avenue, Manhattan.

By Alderman Flech—

Fruit Stand—M. Silberman, No. 199 Bowery, Manhattan.

Bootblack Stands—Vito Laviola, No. 245 Bowery, Manhattan; Pat. Buiano, No. 129 Bowery, Manhattan; Frank Damiana, No. 181 Bowery, Manhattan; Michael Leber, No. 16 Rivington street, Manhattan; Salvatore Damiano, Nos. 235 and 237 Bowery, Manhattan; Anthony Lantila, No. 281 Bowery, Manhattan; Patrick Tracy, Nos. 141 and 143 Canal street, Manhattan; Michael Deluoka, No. 133 Grand street, Manhattan; Nicola Mastro Angelo, No. 279 Bowery, Manhattan; Raffaele Greco, No. 243 Bowery, Manhattan; Felice D. Angelo, No. 213 Bowery, Manhattan.

Soda-water Stands—Isay Wolowitz, No. 205 Chrystie street, Manhattan; Harris Rooten, No. 1 Prince street, Manhattan; Phillip Simberg, No. 13 Chrystie street, Manhattan; Morris Shostack, No. 153 Chrystie street, Manhattan; David Vogel, No. 43 First street, Manhattan; Castanzo Borrelli, No. 127 Mulberry street, Manhattan; E. Karros, No. 11 Chrystie street, Manhattan; Isaac Dibilvier, No. 7 Chrystie street, Manhattan; Sam. Babbick, No. 176 Elizabeth street, Manhattan; Samuel Schlang, Nos. 331 and 333 Bowery, Manhattan.

Newspaper Stands—Pauline Wisel, No. 61 Bowery, Manhattan; Jacob Seidenberg, Nos. 21 and 23 East Houston street, Manhattan.

By Alderman Flinn—

Bootblack Stands—Francesco Digicomo, No. 92 University place, Manhattan; Frank A. Fanelli, No. 120 Fourth avenue, Manhattan; Joseph Diviere, No. 100 University place, Manhattan.

Newspaper Stands—M. Henne, No. 788 Broadway, Manhattan; Benjamin Zanderer, No. 737 Broadway, Manhattan.

By Alderman Geiger—

Bootblack Stands—Charles Vetterman, No. 1983 Boston road, Bronx; Thomas R. Cross, No. 771 Wendover avenue, Bronx.

By Alderman Gledhill—

Fruit Stands—Rocco Di Dio, No. 391 Ninth avenue, Manhattan; Tony Rossi, No. 416 Seventh avenue, Manhattan; Vito Pasco, No. 436 Eighth avenue, Manhattan; Tony Russo, No. 382 Seventh avenue, Manhattan.

Newspaper Stand—George J. Schickling, No. 277 West Thirty-sixth street, Manhattan.

Bootblack Stand—Michael Repuele, No. 441 Eighth avenue, Manhattan.

By Alderman Goodman—

Soda-water Stand—Jacob Kutner, No. 27 West One Hundred and Twenty-fourth street, Manhattan.

By Alderman Holler—

Bootblack Stand—Antonio Marino, Nos. 415 to 419 Kent avenue, Brooklyn.

By Alderman Holmes—

Fruit Stands—William O. Egner, No. 137 Amsterdam avenue, Manhattan; Frank Lamo, No. 74 Amsterdam avenue, Manhattan; Salvatore Surum, No. 92 Amsterdam avenue, Manhattan; Andrew Kaht, No. 2401 Broadway, Manhattan; A. J. Massa, No. 364 Amsterdam avenue, Manhattan; Raffaele Cosenzo, No. 44 Amsterdam avenue, Manhattan; James M. Sterling, No. 129 Amsterdam avenue, Manhattan; Louis Roma, No. 495 Amsterdam avenue, Manhattan. Bootblack Stands—G. Bibbo, No. 300 Amsterdam avenue, Manhattan; Giovanni Grandinetti, No. 2308 Broadway, Manhattan; Mike Giocomo, Nos. 255 and 257 Columbus avenue, Manhattan.

Fruit Stand—Luigi Desposito, No. 21 Amsterdam avenue, Manhattan.

By Alderman Keely—

Bootblack Stand—Michele Samela, No. 996 Manhattan avenue, Brooklyn.

By Alderman Kennedy—

Bootblack Stands—Pasquale Jaricle, No. 170 West street, Manhattan; John Bunker, No. 332 Greenwich street, Manhattan; E. H. Meyer, No. 1 White street, Manhattan.

Fruit Stands—Aaron Schori, No. 170 West street, Manhattan; Elizabeth Charta, No. 77 Reale street, Manhattan.

Soda-water Stand—Hyman Himilnstein, No. 23 Walker street, Manhattan.

By Alderman Ledwith—

Fruit Stand—Kurtz & Strausberger, No. 824 Third avenue, Manhattan.

By Alderman Marks—

Fruit Stand—Giuseppe Frederica, No. 232 Clinton street, Manhattan; Harris Schaefer, Nos. 321 to 323 Madison street, Manhattan.

Soda-water Stands—Ida Lansky, No. 63 Jefferson street, Manhattan; Isaac Singold, No. 95 Monroe street, Manhattan; Peter Eliasberg, No. 294 Cherry street, Manhattan; Fradeta Dubin, No. 212 Monroe street, Manhattan; Samuel Aberman, No. 139 Madison street, Manhattan; Joseph Ross, No. 43 Jefferson street, Manhattan; Henry Shulman, No. 78½ Monroe street, Manhattan; Frank Kazka, No. 210 Clinton street, Manhattan; Joseph Goldstein, No. 227 Clinton street, Manhattan; Jacob Kreyer, No. 6 Pike street, Manhattan; Samuel Klimsky, No. 144 Madison street, Manhattan.

Bootblack Stands—Vicenzo Esposito, No. 195 Clinton street, Manhattan; Joseph Tomasulo, No. 109 Clinton street, Manhattan; Joseph Tomasulo, No. 26 Canal street, Manhattan; Max Katzewitz, No. 50 Rutgers street, Manhattan.

Newspaper Stand—Leon Schwanbaum, No. 192 East Broadway, Manhattan.

By Alderman Mathews—

Fruit Stands—Peter Cochyergos, southwest corner One Hundred and Third street and Columbus avenue, Manhattan; H. C. Klokorn, No. 741 Columbus avenue, Manhattan; Giovanni Longardi, No. 2193 Eighth avenue, Manhattan; Blum Bros., No. 762 Columbus avenue, Manhattan; Givca Cioffa, No. 987 Amsterdam avenue, Manhattan.

Newspaper Stands—Mary Glass, No. 238 West One Hundred and Sixteenth street, Manhattan; William H. Finley, No. 101 West One Hundred and Fifth street, Manhattan; S. Cohen, No. 932 Columbus avenue, Manhattan; M. Zimmerman, No. 754 Columbus avenue, Manhattan; Abraham Goldstein, No. 670 Columbus avenue, Manhattan; James A. Daly, northwest corner of One Hundred and Second street and Columbus avenue, Manhattan.

Bootblack Stands—Julius Engelke, No. 935 Columbus avenue, Manhattan; Louis Muller, No. 575 Amsterdam avenue, Manhattan.

By Alderman McCaul—

Fruit Stands—Emiliano Sarro, No. 2164 Second avenue, Manhattan; Luigi Piscioni, No. 2105 Third avenue, Manhattan; Sam. Diana, No. 2240 Second avenue, Manhattan; Bolin & Schlumborn, No. 1755 Lexington avenue, Manhattan.

Soda-water Stands—Samuel Horowitz, No. 2235 Second avenue, Manhattan; M. Newman, No. 248 East One Hundred and Fourteenth street, Manhattan.

By Alderman McEneaney—

Soda-water Stand—Peter R. Moller, No. 201 East Seventy-third street, Manhattan.

By Alderman McMahon—

Fruit Stands—Mattio Guglielmo, southwest corner First avenue and Tenth street, Manhattan; James Cuccio, corner Fourteenth street and First avenue, Manhattan; Luigi Ferre, No. 162 First avenue, Manhattan.

Bootblack Stand—Pasquale Carnavale, No. 19 Third avenue, Manhattan.

By Alderman Muh—

Bootblack Stand—Joseph Flury, No. 665 Ninth avenue, Manhattan.

By Alderman Murphy—

Bootblack Stands—Michiele Spallone, No. 771 Manhattan avenue, Brooklyn; Filomeno Scaglione, No. 269 Graham avenue, Brooklyn; Nicola Bianigalli, No. 376 Lorimer street, Brooklyn; Gaetano Vesta, No. 814 Manhattan avenue, Brooklyn.

Fruit Stands—Louis Barrett, No. 821 Manhattan avenue, Brooklyn; Bert Basso, No. 38 Norman avenue, Brooklyn.

By Alderman Neufeld—

Soda-water Stands—Joe Epstein, No. 87 Cannon street, Manhattan; David Wilchinsky, No. 463 East Houston street, Manhattan; Isidor Ostfeld, Nos. 1 and 3 Clinton street, Manhattan; Ascher Siegfried, No. 21 Clinton street, Manhattan; Jacob Reiter, No. 138 Ridge street, Manhattan; Abram Goldin, No. 175 Attorney street, Manhattan; Pape Asher, No. 622 East Sixth street, Manhattan; Bernard Hoch, No. 626 East Sixth street, Manhattan; Morris Bershaed, No. 203 Stanton street, Manhattan; Henry Teust, No. 381 East Third street, Manhattan; Annie Weiss, No. 486 East Tenth street, Manhattan; Morris Deitch, No. 701 East Fifth street, Manhattan.

Fruit Stands—Marius Traglia, No. 219 Stanton street, Manhattan; Ike Steber, No. 15 Avenue C, Manhattan.

By Alderman Otten—

Bootblack Stand—John Bastingas, Jr., No. 375 Fulton street, Queens.

By Alderman Porges—

Bootblack Stands—Giovanni Diorio, No. 308 Broome street, Manhattan; Salvatore Bomaigillo, northwest corner Broome and Ludlow streets, Manhattan; Thomas Smith, northwest corner Eldridge and Broome streets, Manhattan; Michael Baceo, No. 314 Grand street, Manhattan; Henry Carry, No. 73 Stanton street, Manhattan; Giuseppe Sica, No. 86 Rivington street, Manhattan; Frank Beswin, No. 321 Broome street, Manhattan; Daniel Frank, No. 145 Allen street, Manhattan; Dave Gordon, No. 243 Broome street, Manhattan; Pietro Cifarelli, No. 53 Delancey street, Manhattan; Gaetano Jacowzso, No. 54 Rivington street, Manhattan; Tony Masi, No. 272 Grand street, Manhattan; Charles August, No. 134 Forsyth street, Manhattan; Luigi D'Agostino, No. 86 Delancey street, Manhattan; Francesco Coria, No. 34 Delancey street, Manhattan; Gaetano Miradia, No. 170 Orchard street, Manhattan; Jimmie Fafre, No. 356 Grand street, Manhattan; Girado Famaloro, No. 225 Broome street, Manhattan; Vincenzo Gamma, No. 129 Ludlow street, Manhattan; Isaac Hirschfeld, No. 20 Rivington street, Manhattan; Nicola Pucciarelli, No. 178 Allen street, Manhattan; Julius F. Richter, No. 89 Canal street, Manhattan; Louis Salvaterra, No. 62 Eldridge street, Manhattan; Raffaele Salvator, No. 61 Eldridge street, Manhattan; Alonzo Sabey, No. 334 Grand street, Manhattan; Domenico Spado, No. 260 Broome street, Manhattan; Santore Carmomo, No. 292 Broome street, Manhattan.

Soda-water Stands—Kate Shapiro, No. 23 Ludlow street, Manhattan; Aaron Moss, No. 135 Hester street, Manhattan; Harry Pascal, No. 151 East Houston street, Manhattan; Barnett Mas-

kovitz, No. 24 Orchard street, Manhattan; Thomas Miller, No. 84 Rivington street, Manhattan; Isaac Levin, No. 63 Forsyth street, Manhattan; Max Cohen, No. 122 Forsyth street, Manhattan; Harry Baron, No. 38 Orchard street, Manhattan; Matthew Bogovsky, No. 60 Forsyth street, Manhattan; Marcus Rosen, No. 102 Eldridge street, Manhattan; Barnett Margolis, No. 20 Ludlow street, Manhattan; Israel Pinner, No. 83 Delancey street, Manhattan; David Lapruve, No. 82 Forsyth street, Manhattan; Morris Puterman, No. 61 Eldridge street, Manhattan; Louis Sittenreich, No. 36 Essex street, Manhattan; Joseph Mintz, northeast corner Chrystie and Rivington streets, Manhattan; Harris Cohen, No. 176 Allen street, Manhattan; Barnett Glasberg, No. 2 Ludlow street, Manhattan; Joseph Lifshetz, No. 40 Allen street, Manhattan; Samuel H. Shapiro, No. 121 Forsyth street, Manhattan; Aaron Jankovitz, No. 16 Ludlow street, Manhattan; Samuel Moskowitz, No. 25 Essex street, Manhattan; Gus Baron, No. 100 Stanton street, Manhattan; Sol. Beral, No. 54 Bowery, Manhattan; Nathan Cohen, No. 66 Orchard street, Manhattan; Jacques Edner, No. 161 Ludlow street, Manhattan; Abraham Enes, No. 15 Eldridge street, Manhattan; Isaac Feldman, No. 143 Division street, Manhattan; Ichel Fagenbaum, No. 24 Ludlow street, Manhattan; Hyman Goldstein, No. 88 Forsyth street, Manhattan; Elias Finegold, No. 94 Hester street, Manhattan; William Horowitz, No. 62 Forsyth street, Manhattan; Aaron B. Levinsky, No. 28 Eldridge street, Manhattan; Morris Lazarus, No. 7 Bayard street, Manhattan; Joe Merhiss, No. 37 1/2 Allen street, Manhattan; Morris S. Mackson, No. 72 Allen street, Manhattan; Julius Mendelovici, No. 127 Eldridge street, Manhattan; Henry P. Morrison, No. 37 Eldridge street, Manhattan; Morris Prichap, No. 52 Essex street, Manhattan; Isaac Rabinowitz, No. 120 Allen street, Manhattan; Morris Rosenblum, No. 68 Division street, Manhattan; Nathan Rosenweig, No. 199 Orchard street, Manhattan; Sam Sosinsky, northeast corner Allen and Division streets, Manhattan; Harris Stromberg, No. 97 Norfolk street, Manhattan; Pesach Schwartz, No. 134 Allen street, Manhattan; Jacob Leffer, No. 104 Chrystie street, Manhattan; William Silberberg, No. 145 Forsyth street, Manhattan; Fred J. Seelig, No. 13 Allen street, Manhattan; Jacob Schneider, No. 144 Division street, Manhattan; Ike Solowichier, No. 13 Bayard street, Manhattan; Louis Schneider, No. 76 Essex street, Manhattan; Elroyem Spier, No. 14 Chrystie street, Manhattan; Herman Seelson, No. 28 Forsyth street, Manhattan; Alexander Samuels, No. 1 Bayard street, Manhattan; Marks Lamerus, No. 26 Essex street, Manhattan; Abraham Schalaoy, No. 217 Eldridge street, Manhattan; Morris Ehrlich, No. 74 Stanton street, Manhattan; Louis Gordon, No. 30 Essex street, Manhattan; Sam Penn, No. 120 Division street, Manhattan; Haskel Wolfensohn, No. 34 Forsyth street, Manhattan.

Fruit Stands—Louis Gordon, No. 11 Bayard street, Manhattan; Abraham Feldner, No. 275 Broome street, Manhattan; Giovanni Manz, No. 108 Forsyth street, Manhattan; Samuel Hoffman, No. 3 Bayard street, Manhattan; Phillip Heft, No. 5 Bayard street, Manhattan; Frank Marcus, No. 103 Hester street, Manhattan; Louis Bauch, No. 119 Hester street, Manhattan; Max Sidremsky, No. 119 Hester street, Manhattan; Charles August, No. 134 Forsyth street, Manhattan; Samuel Albert, No. 37 Orchard street, Manhattan; Nemo Nadel, No. 4 Chrystie street, Manhattan; Angelo Carbono, No. 306 Broome street, Manhattan; Diamante Ragucci, No. 105 Stanton street, Manhattan; Sam C. Rulin, No. 9 Bayard street, Manhattan; Morris Hyams, No. 65 Rivington street, Manhattan; Samuel Cohen, No. 273 Broome street, Manhattan; Samuel Schmitzer, No. 115 Orchard street, Manhattan.

Newspaper Stands—Harry Baratz, No. 70 Canal street, Manhattan; Louis Kleeman, No. 82 Hester street, Manhattan; Isaac Frecklas, No. 80 Hester street, Manhattan; Fenny Schreiberman, No. 8 Bayard street, Manhattan.

By Alderman Schneider—
Bootblack Stands—Pasquale Magliari, No. 1678 Third avenue, Manhattan; Thomas Fisher, No. 1922 Third avenue, Manhattan.

Soda-water Stands—Charles Gutreich, No. 311 East One Hundred and Fourth street, Manhattan; Louis Cruhn, No. 1551 Lexington avenue, Manhattan.

By Alderman Smith—
Soda-water Stands—Max Kapernick, No. 210 Broome street, Manhattan; H. Director, No. 124 Suffolk street, Manhattan; Phillip Stein, No. 59 Lewis street, Manhattan; Abraham Rosenthal, No. 112 Broome street, Manhattan; Alier Horn, No. 88 Clinton street, Manhattan; Abraham Rosenberg, No. 164 Delancey street, Manhattan.

By Alderman Twomey—
Bootblack Stands—Jerome Lamonte, No. 3 Columbus avenue, Manhattan; John Brannigan, No. 781 Ninth avenue, Manhattan.

Fruit Stand—Louis Wagner, No. 849 Tenth avenue, Manhattan.

By Alderman Velten—
Soda-water Stands—J. Antivill, northwest corner Lorimer and Boerum streets, Brooklyn; I. Schanher, No. 40 Seigel street, Brooklyn; Louis Scher, southeast corner Manhattan avenue and Varet street, Brooklyn; B. Levit, No. 11 Seigel street, Brooklyn; Jacob Brenner, No. 42 Manhattan avenue, Brooklyn.

Fruit Stand—Salvatore Larocco, northwest corner Graham and Manhattan avenues, Brooklyn.

By Alderman Wafer—
Newspaper Stand—Harry Lehrer, No. 200 Court street, Brooklyn.

By Alderman Wanta—
William A. Funach, southwest corner Ralph avenue and Fulton street, Brooklyn.

By Alderman Welling—
Soda-water Stands—William Wasserman, No. 211 Mercer street, Manhattan; Sam Root, Nos. 4 and 6 West Third street, Manhattan; Isidor Goldman, No. 186 Greene street, Manhattan; Jacob Katz, No. 250 Mercer street, Manhattan; Giovanni Hargano, No. 94 West Houston street, Manhattan.

Fruit Stands—Tesoro Manfredo, No. 173 Thompson street, Manhattan; Giovanni Dacunto, southwest corner Mercer and West Third streets, Manhattan.

Newspaper Stand—William J. Golden, No. 139 Bleecker street, Manhattan.

Bootblack Stand—Louis Engelking, No. 89 Bleecker street, Manhattan.

By Alderman Wolf—
Soda-water Stands—Samuel Kane, No. 111 Delancey street, Manhattan; Samuel Davis, No. 114 Delancey street, Manhattan; E. Osserman, No. 140 East Fourth street, Manhattan; Barnett Margolis, No. 83 Norfolk street, Manhattan; Joseph D. Cohen, No. 156 Essex street, Manhattan; Morris Geisler, No. 37 Clinton street, Manhattan; Harry Sherl, No. 133 Stanton street, Manhattan; Morris Wortman, No. 116 Rivington street, Manhattan; Leon Krieger, No. 164 Ludlow street, Manhattan.

Bootblack Stands—Salvatore De Petto, No. 130 Essex street, Manhattan; Dominco Lupo, No. 159 Norfolk street, Manhattan.

Fruit Stands—Lazar Menlowitz, No. 179 Essex street, Manhattan; Alexandrio Ciccione, No. 146 Suffolk street, Manhattan; Gaetano De Marcollo, No. 37 Clinton street, Manhattan; Onafrio Di Stucce, No. 37 Avenue A, Manhattan.

Adopted by the Board of Aldermen, May 7, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 602.

Resolved, That permission be and the same is hereby given to Leo Silverman to erect, keep and maintain a soda-water stand, within the stoop-line in front of the premises No. 142 Clinton street, in the Borough of Manhattan, subject to the conditions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 603.

Resolved, That permission be and the same is hereby given to A. J. Kramer to locate, erect, keep and maintain a stand for the sale of soda-water, within the stoop-line, at No. 76 Clinton street, in the Borough of Manhattan, in compliance with the provisions of the ordinance in such case made and provided.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 604.

Resolved, That permission be and the same is hereby given to G. T. Easton, of the Bennett Building, corner Nassau and Ann streets, Borough of Manhattan, to have a man parade in Turkish costume, on horseback, bearing an announcement of a bath, through the streets and avenues of said borough, the work to be done at his own expense, under the direction of the Chief of Police; such permission to continue only for sixty days from the date of approval hereof by his Honor the Mayor.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 605.

Whereas, The plans of the Rapid Transit Commissioners which are now being carried out do not provide for sufficient transportation facilities in the Borough of The Bronx; and

Whereas, The projected eastern branch of the proposed subway does not meet the necessities of the working classes who reside east and west of Third avenue; and

Whereas, The City of New York owns valuable property lying in and about Pelham Bay and Van Cortlandt; now therefore be it

Resolved, That the Board of Estimate and Apportionment and Rapid Transit Commissioners be and are hereby earnestly requested by the Municipal Assembly of The City of New York to take steps, as soon as it will be possible to do so without transgressing the statutory limitation of bonded indebtedness, to prepare plans for an extension of the Rapid Transit system through the Borough of The Bronx to Pelham Bay Park, and to and along a route as or near Jerome avenue to Van Cortlandt park.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 606.

Resolved, That the ordinance relating to the discharge of fireworks in The City of New York be and the same is hereby suspended so as to permit of a display by the Congregation of the Virgin Mary Incarnate of Puglia, within the premises known as Mariesthal Park, Lexington avenue, Borough of Queens, on July 21, 1901, the work to be done and materials supplied at their own expense, under the direction of the Commissioner of Police; such suspension to continue only for the date mentioned.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 607.

Resolved, That the ordinance relative to the discharge of fireworks be and the same is hereby suspended so far as to permit Engine Company No. 3, of Port Richmond, Borough of Richmond, to discharge fireworks on the night of May 15, 1901, from Bergen Point Ferry to their Engine-house under the supervision and direction of the Commissioner of Police.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 608.

Resolved, That Martin W. Hall, of No. 595 East One Hundred and Thirty-fourth street, in the Borough of The Bronx, be and he is hereby appointed a City Surveyor.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 609.

Resolved, That permission be and the same is hereby given to Michael Cohen to place and keep two show-cases, within the stoop-line, in front of his premises No. 355 Grand street, in the Borough of Manhattan, provided the said show-cases shall be erected in conformity with the provisions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 610.

Resolved, That permission be and the same is hereby given to the Marks & Benson Company, to place and keep an illuminated sign on the outside of their premises, Nos. 116 and 118 East Fourteenth street, in the Borough of Manhattan, said sign to be placed within the stoop-line, on an arm or bracket extending from the front wall of said premises, the work to be done and illumination supplied at their own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 611.

Resolved, That permission be and the same is hereby given to Abraham Schwartz to place and keep two show-cases, within the stoop-line, in front of his premises No. 82 Norfolk street, in the Borough of Manhattan, provided said show-cases be so placed as to conform in all respects with the provisions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 612.

Resolved, That permission be and the same is hereby given to the Metropolitan Street Railway Company to place and keep a temporary open structure for the shelter of relays of horses of the said company, during the months of June, July, August and September, in front of No. 200 East 14th street, in the Borough of Manhattan, said structure to be removed at the company's expense during the month of October, the work to be done at its own expense, under the direction of the Commissioner of Highways; such permission to continue only during the months of June, July, August and September, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 613.

Resolved, That permission be and the same is hereby given to Edward Roche to erect and maintain an express office, within the stoop-line, in front of his premises, No. 189 West street, Borough of Manhattan, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 614.

Resolved, That permission be and the same is hereby given to the Metropolitan Street Railway Company to place and keep a temporary open structure for the shelter of relays of horses of the said company during the months of June, July, August and September, in front of No. 360 Twelfth avenue, in the Borough of Manhattan, said structure to be removed at the company's expense during the month of October, the work to be done at its own expense, under the direction of the Commissioner of Highways; such permission to continue only during the months of June, July, August and September, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 615.

Resolved, That permission be and the same is hereby given to the Metropolitan Street Railway Company to place and keep a temporary open structure for the shelter of relays of horses of said company during the months of June, July, August and September, in the open square bounded by Front street, Roosevelt street, South street and James slip, in the Borough of Manhattan, said structure to be removed at the company's expense during the month of October, the

work to be done at its own expense, under the direction of the Commissioner of Highways; such permission to continue only during the months of June, July, August and September, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 616.

Resolved, That it is hereby respectfully recommended to the Board of Public Improvements that One Hundred and Eighth street, from Second avenue to the East river, Borough of Manhattan, be repaved with asphalt.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 617.

Resolved, That permission be and the same is hereby given to M. Yachnin to place and keep four show-cases, within the stoop-line, in front of his premises No. 13 Orchard street, in the Borough of Manhattan, provided the said show-cases shall be erected in conformity with the provisions of the ordinance in such case made and provided, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 618.

Whereas, It is estimated that there are two hundred and twenty-seven miles of streets paved with cobble-stones in the Borough of Brooklyn; and

Whereas, Said thoroughfares are urgently in need of repaving therefore be it

Resolved, That the Board of Estimate and Apportionment be and it is hereby respectfully requested to issue bonds in the sum of one million dollars, to place the pavements of the streets, avenues and thoroughfares of said Borough of Brooklyn in proper condition.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 619.

Resolved, That permission be and the same is hereby given to V. Seidman to place and keep a stand for the sale of newspapers and periodicals under the stairs of the elevated railroad at the southwest corner of One Hundred and Sixth street and Third avenue, in the Borough of Manhattan, provided the said stand shall be erected in conformity with the provisions of chapter 718 of the Laws of 1896, and subject to the conditions of an ordinance to regulate the placing of stands under the stairs of the elevated railroads, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 620.

Resolved, That permission be and the same is hereby given to Anton Schafer, to erect, keep and maintain a stand for the sale of flowers, within the stoop-line, in front of premises on the south side of Metropolitan avenue, about six hundred feet west of Juniper avenue, Middle Village, Borough of Queens, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 621.

Resolved, That permission be and the same is hereby given to Peter Lynam to erect, keep and maintain a storm-door on the corner of his premises located at the northeast corner of Rogers avenue and Erasmus street, in the Borough of Brooklyn, provided the dimensions of said storm-door shall not exceed ten feet in height and two feet wider than the doorway, and shall not extend more than five feet from the house-line, the work to be done at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 622.

Resolved, That permission be and the same is hereby given to Thomas Laughlin to place and keep a watering-trough on the sidewalk, near the curb, in front of his premises, No. 631 Tenth avenue, in the Borough of Manhattan, the work to be done and water supplied at his own expense, under the direction of the Commissioner of Highways; such permission to continue only during the pleasure of the Municipal Assembly.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 623.

Resolved, That permission be and the same is hereby given to the Metropolitan Street Railway Company to place and keep a temporary open structure for the shelter of relays of horses of the said company during the months of June, July, August and September, in front of No. 429 East Houston street, in the Borough of Manhattan, said structure to be removed at the company's expense during the month of October, the work to be done at its own expense, under the direction of the Commissioner of Highways; such permission to continue only during the months of June, July, August and September, 1901.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 14, 1901.

Received from his Honor the Mayor, May 28, 1901, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

No. 624.

AN ORDINANCE to regulate, etc., Canal place, Borough of The Bronx.

Be It Ordained by the Municipal Assembly of The City of New York, as follows:

That, in pursuance of sections 413 and 422 of the Greater New York Charter, the following resolution of the Board of Public Improvements, adopted by that Board on the 20th day of June, 1900, be and the same hereby is approved, and the public work or improvement therein provided for is hereby authorized, and it is hereby determined that the cost and expense thereof shall be borne and paid as therein provided; namely,

"Resolved, by the Board of Public Improvements, That, in pursuance of sections 413 and 422 of the Greater New York Charter, the regulating and grading of Canal place, between the south line of One Hundred and Thirty-eighth street and the south line of One Hundred and Forty-fourth street, Borough of The Bronx, setting of curbstones, erecting fences where necessary, laying crosswalks and flagging sidewalks a space four feet wide, under the direction of the Commissioner of Highways, be and the same hereby is authorized and approved, there having been presented to said Board an estimate in writing, in such detail as the said Board has directed, of the cost of the proposed work or improvement, and a statement of the assessed value, according to the last preceding tax-roll, of the real estate included within the probable area of assessment, the estimated cost of said work being thirty-two thousand dollars. The said assessed value of the real estate included within the probable area of assessment is one hundred and twenty-four thousand eight hundred and seventy-five dollars.

And the said Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but the whole of such cost and expense shall be assessed upon the property deemed to be benefited thereby."

Adopted by the Council, April 23, 1901.

Adopted by the Board of Aldermen, May 21, 1901.

Approved by the Mayor, May 28, 1901.

No. 625.

Resolved, That Dr. James A. J. O'Brien, of No. 185 East One Hundred and Sixteenth street, Borough of Manhattan, be and he hereby is appointed Physician to the County Jail, New York County.

Adopted by the Council, May 14, 1901.

Adopted by the Board of Aldermen, May 21, 1901.

Approved by the Mayor, May 28, 1901.

No. 626.

AN ORDINANCE authorizing the Commissioner of Bridges to contract, without public letting, for the wiring and electric lighting on the draw-span and approaches of the City Island Bridge.

Be it Ordained by the Municipal Assembly of The City of New York, as follows:

The Commissioner of Bridges of The City of New York is authorized to contract, without public letting, with John F. O'Rourke, assignee of Stevens & O'Rourke, the contractor for constructing a bridge and its approaches with a draw-span and crib-fender, between Pelham Bay Park and City Island, in the Twenty-fourth Ward of the City of New York, under contract dated December 13, 1898, executed in pursuance of chapter 638, Laws of 1894, as amended by chapter 507, Laws of 1896, for additional work of wiring and electric lighting in place of the gas-lighting system provided for in the contract on the draw-span and approaches, according to the specifications approved by the Board of Estimate and Apportionment May 6, 1901, at an estimated cost of nine thousand and seventy-four dollars and nineteen cents (\$9,074.19), to be paid from funds provided by the sale of bonds pursuant to said act as amended.

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 21, 1901.

Approved by the Mayor, May 28, 1901.

No. 627.

Resolved, That the following-named persons be and they are hereby appointed Commissioners of Deeds in and for The City of New York:

William W. Knabe, No. 134 Seventh street, Manhattan.
John F. Niehubs, Green avenue and Fifth street, Bronx.
Charles H. Atken, One Hundred and Ninety-eighth street and Broadway, Manhattan.
William Leahy, No. 521 Court street, Brooklyn.
Christopher W. Wilson, Jr., No. 84 Broadway, Brooklyn.
Charles H. Lott, No. 206 Broadway, Manhattan.
George W. Kavanagh, No. 181 Freeman street, Brooklyn.
Edward J. Flanagan, No. 412 Sackett street, Brooklyn.
Abraham D. Levy, No. 302 Broadway, Manhattan.
Julius Kaiser, No. 160 Clinton street, Manhattan.
Max H. Winkler, No. 74 West Eighty-second street, Manhattan.
Millard H. France, No. 219 West One Hundred and Seventh street, Manhattan.
William Boum, care of Shoe and Leather Bank, Manhattan.
Leo Cohen, No. 460 Sixth avenue, Manhattan.
Edmund Bittner, No. 117 East One Hundred and Fifteenth street, Manhattan.
Patrick Malloy, No. 948 Second avenue, Manhattan.
Robert B. Williamson, No. 171 Fifteenth street, Brooklyn.
Diodato Villamena, No. 368 East One Hundred and Twelfth street, Manhattan.
J. F. Browne, No. 1691 Park avenue, Manhattan.
William M. Tomlins, Jr., No. 474 Sixth street, Brooklyn.
Adolf Failmetzger, No. 1367 Broadway, Brooklyn.
Axel Anderson, No. 192 McDougal street, Brooklyn.
William Driscoll, No. 51 Market street, Manhattan.
Ernest J. Cuzzo, No. 280 Broadway, Manhattan.
Harry Harris, No. 205 West One Hundred and Thirty-third street, Manhattan.
Albert E. Hull, City Clerk's Office, Manhattan.
Henry E. Moorey, No. 432 West Forty-seventh street, Manhattan.
Peter H. McHugh, No. 2 Tryon Row, Manhattan.
Henry Jacobs, No. 120 West Ninetieth street, Manhattan.
Charles A. Hitchcock, No. 229 Broadway, Manhattan.
Abraham D. Levy, No. 302 Broadway, Manhattan.
John H. Campbell, No. 197 Monitor street, Brooklyn.
Joseph Honig, No. 211 Stanton street, Manhattan.
Thomas F. Brennan, No. 550 Madison avenue, Manhattan.
Joseph D. Brockway, No. 502 West One Hundred and Forty-ninth street, Manhattan.
John T. Berry, No. 8 Conway street, Brooklyn.
William G. Cogswell, No. 170 Montague street, Brooklyn.
Charles Solsky, No. 1 Monroe street, Manhattan.
Jeremiah Wholey, No. 26 Madison street, Manhattan.
Ferdinand Delaca, No. 60 Baxter street, Manhattan.
Isaac Bernstein, No. 85 Bayard street, Manhattan.
Paul H. Van Bloem, Tompkins avenue, Fort Wadsworth, S. I.
Louis H. Foster, No. 276 Bowery, Manhattan.
Joseph J. Kahn, No. 46 East Fourteenth street, Manhattan.
Nat Abrahams, No. 229 Bowery, Manhattan.
Adopted by the Board of Aldermen, May 28, 1901.

No. 628.

Resolved, That permission be and the same is hereby given to the Manhattan Benevolent Association to drive a horse and wagon through the streets, avenues and thoroughfares of the Borough of Manhattan for four days, ending June 1, 1901, the work to be done at their own expense, under the direction of the Commissioner of Police; such permission to continue only for the time above mentioned.

Adopted by the Board of Aldermen, May 28, 1901.

Adopted by the Council, May 28, 1901.

Approved by the Mayor, May 28, 1901.

No. 629.

AN ORDINANCE to authorize contract for regrading wing spaces of the Southfield Boulevard, Borough of Richmond.

Be it Ordained by the Municipal Assembly of The City of New York, as follows:

That, in pursuance of the provisions of the Greater New York Charter, the following resolution of the Board of Public Improvements, adopted by said Board on March 27, 1901, be and the same hereby is approved, and the public work or improvement therein provided for is hereby authorized, viz.:

"Resolved, That, in pursuance of the provisions of the Greater New York Charter, authority be and is hereby given to the Commissioner of Highways to enter into a contract for regrading the wing or side spaces of the Southfield Boulevard, in the Borough of Richmond, the cost of said improvement to be paid for from the Southfield Boulevard Bond Fund."

Adopted by the Board of Aldermen, May 14, 1901.

Adopted by the Council, May 21, 1901.

Approved by the Mayor, May 29, 1901.

P. J. SCULLY, City Clerk.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION OF THE CITY OF NEW YORK,
NEW YORK LIFE BUILDING, NO. 346 BROADWAY,
NEW YORK, May 31, 1901.

Supervisor of the City Record:

DEAR SIR—In compliance with the provisions of the law, I send you herewith a list of promotions, reinstatements and appointments, in the various Departments, to date.

Yours respectfully,

LER PHILLIPS, Secretary.

DEPARTMENT OF DOCKS, BOROUGH OF MANHATTAN.

Transferred.

May 29, Arthur J. Minnaugh, Leveller, \$1,200, from Aqueduct Commission.

Reinstated.

May 17, Frederick W. Back, Recreation Pier Attendant, \$75 per month.

May 17, John Osgood, Recreation Pier Attendant, \$75 per month.

May 17, Maria Connell, Recreation Pier Attendant, \$50 per month.

May 17, Mary Dennehy, Recreation Pier Attendant, \$50 per month.

May 17, Mary Devlin, Recreation Pier Attendant, \$50 per month.

May 17, Julia C. Dowling, Recreation Pier Attendant, \$50 per month.

May 17, Mary A. Duffy, Recreation Pier Attendant, \$50 per month.

May 17, Ellen Kelly, Recreation Pier Attendant, \$50 per month.

May 17, Mary Latz, Recreation Pier Attendant, \$50 per month.

May 17, Elizabeth Nolan, Recreation Pier Attendant, \$50 per month.

May 17, Elizabeth A. O'Rourke, Recreation Pier Attendant, \$50 per month.

May 17, Mary E. Reilly, Recreation Pier Attendant, \$50 per month.

May 17, Ellen Rinn, Recreation Pier Attendant, \$50 per month.

May 17, Mary A. Sheehan, Recreation Pier Attendant, \$50 per month.

May 17, Adelia Sheridan, Recreation Pier Attendant, \$50 per month.

May 17, Sarah Shields, Recreation Pier Attendant, \$50 per month.
May 17, Kitty Trimble, Recreation Pier Attendant, \$50 per month.
May 17, Mary West, Recreation Pier Attendant, \$50 per month.

Appointed.

May 17, John E. Anderson, Recreation Pier Attendant, \$75 per month.
May 17, John T. Bannon, Recreation Pier Attendant, \$75 per month.
May 17, William D. Becker, Recreation Pier Attendant, \$75 per month.
May 17, Robert K. Bach, Recreation Pier Attendant, \$75 per month.
May 17, William L. Brosnan, Recreation Pier Attendant, \$75 per month.
May 17, William J. Carberry, Recreation Pier Attendant, \$75 per month.
May 17, Thomas J. Dunleavy, Recreation Pier Attendant, \$75 per month.
May 17, William H. Fennell, Recreation Pier Attendant, \$75 per month.
May 17, Thomas Fisher, Recreation Pier Attendant, \$75 per month.
May 17, Daniel L. Foley, Recreation Pier Attendant, \$75 per month.
May 17, Patrick J. Hart, Recreation Pier Attendant, \$75 per month.
May 17, Edwin J. Haslett, Recreation Pier Attendant, \$75 per month.
May 17, James Hughes, Recreation Pier Attendant, \$75 per month.
May 17, James J. Jordan, Recreation Pier Attendant, \$75 per month.
May 17, Joseph J. Lawless, Recreation Pier Attendant, \$75 per month.
May 17, John F. Murphy, Recreation Pier Attendant, \$75 per month.
May 17, Thomas O'Brien, Recreation Pier Attendant, \$75 per month.
May 17, Edward J. Reddy, Recreation Pier Attendant, \$75 per month.
May 17, Thomas J. Roche, Recreation Pier Attendant, \$75 per month.
May 17, Thomas D. Tate, Recreation Pier Attendant, \$75 per month.
May 17, Rachel Behnman, Recreation Pier Attendant, \$50 per month.
May 17, Margaret Bowman, Recreation Pier Attendant, \$50 per month.
May 17, Margaret Carmody, Recreation Pier Attendant, \$50 per month.
May 17, Sarah M. Cripps, Recreation Pier Attendant, \$50 per month.
May 17, Jane Cullen, Recreation Pier Attendant, \$50 per month.
May 17, Margaret Daly, Recreation Pier Attendant, \$50 per month.
May 17, Nellie Fallon, Recreation Pier Attendant, \$50 per month.
May 17, Kate L. Fogarty, Recreation Pier Attendant, \$50 per month.
May 17, Rose Heaney, Recreation Pier Attendant, \$50 per month.
May 17, Jennie Martin, Recreation Pier Attendant, \$50 per month.
May 17, Kate Meade, Recreation Pier Attendant, \$50 per month.
May 17, Mary Moore, Recreation Pier Attendant, \$50 per month.
May 17, Agnes E. Mulligan, Recreation Pier Attendant, \$50 per month.
May 17, Katherine Smith, Recreation Pier Attendant, \$50 per month.
May 17, Louise Vogeles, Recreation Pier Attendant, \$50 per month.

LAW DEPARTMENT, BOROUGH OF MANHATTAN.

Promoted.

May 6, Thomas G. Price, to Fourth Grade Clerk, at \$1,500 per annum.

Transferred.

May 1, John F. Flynn, Clerk, \$900, from Office of the Municipal Civil Service Commission.

RAPID TRANSIT COMMISSION.

Appointed.

May 16, John J. McDermott, Mason Inspector, \$4 per day.
May 20, William W. Mills, Assistant Engineer, Grade "A," \$1,200.
May 20, Charles A. Sullivan, Assistant Engineer, Grade "A," \$1,200.
May 23, H. J. Alexander, Assistant Engineer, Grade "A," \$1,200.
June 1, Harold T. Kinch, Assistant Engineer, Grade "A," \$960.

DEPARTMENT OF HEALTH, BOROUGH OF MANHATTAN.

Appointed.

May 22, William H. Pound, Medical School Inspector, at \$30 per month.

Reinstated.

May 17, John G. Tate, Jr., Clerk, \$600 per annum.

Promoted.

May 27, Wyeth E. Ray, to Resident Physician, at \$1,800.

DEPARTMENT OF BUILDINGS, LIGHTING AND SUPPLIES, BOROUGH OF MANHATTAN.

Appointed.

May 27, John T. McQuade, Jr., Clerk, at \$600 per annum.

DEPARTMENT OF CHARITIES, BOROUGH OF BROOKLYN.

May 23, Daniel F. McLachlan, Trained Nurse, \$360.

POLICE DEPARTMENT.

New York, May 20, 1901.

The following proceedings were this day directed by the Police Commissioner:

SPECIAL PATROLMEN APPOINTED.

George Cook, for Mrs. M. Arnold.

Charles Opperman and Joseph Mahoney, for Walter C. Foster.

On reading and filing report of Inspector James Kane,

Ordered, That Roundsman Joseph J. O'Donohue, Twenty-fourth Precinct, be and is hereby commended for meritorious conduct in rendering aid to an injured woman who had been shot at about 9.45 a. m., April 25, 1901, in Sixth avenue, near Fifty-second street, and for the prompt arrest of William H. Smith, accused of shooting her.

Bank of Jamaica, Jamaica, N. Y., request for permission to connect bank with station-house by electrical appliances granted, without expense to this Department, work to be performed under direction of the Superintendent of Telegraph.

DEATH REPORTED.

Doorman James J. Gaffney, Twenty-fifth Precinct, A. M. May 15.

Report of Sergeant Thomas McCormack, Bicycle Squad, of runaway stopped by Roundsman Schuessler; referred to Inspector Cortright for report.

FULL PAY GRANTED.

Patrolman Richard O'Hara, Forty-first Precinct, April 11 to 29.

" James Trunk, Twenty-eighth Precinct, April 2 to May 3.

" Maurice O'Connor, Forty-second Precinct, March 27 to April 10.

LEAVE OF ABSENCE GRANTED.

Captain William Dean, Twenty-eighth Precinct, twenty days' vacation.

On reading and filing report of Inspector Walter L. Thompson relative to arrest of Andrew Bird, No. 94 Market street,

Ordered, That pistol permit heretofore granted to Andrew Bird be and is hereby revoked.

Horgan & Slattery notice that wall at Thirty-seventh Precinct Station-house is in safe and good condition, but that outside should be plastered with Portland cement, as provided in agreement with contractor who removed retaining-wall, on file, contractor to be notified to comply with specifications.

REFERRED TO FIRST DEPUTY COMMISSIONER.

Petition of Maria A. Varian for pension.

REFERRED TO SECOND DEPUTY COMMISSIONER.

Application of Thomas Sheffield for appointment of Oliver Velsor as Special Patrolman.

REFERRED TO THE BOOKKEEPER.

Mrs. Bassford—Notice of death of Hiel Bassford, pensioner.

CHIEF CLERK FOR REPORT.

Royal W. Walsh—Asking relative to letter heretofore sent to this Department by George W. Bishop.

REFERRED TO THE CIVIL SERVICE COMMISSION.

Patrolman William H. Nash—Application for promotion to Roundsman.

ON FILE.

Forty-second Precinct—Report of Captain Smith relative to repairs on boiler of steamboat "Patrol."

Report of Surgeon Veshburgh of contagious disease in the family of Patrolman Edward Leigh, Fifth Precinct.

Municipal Civil Service Commission—Amendment to eligible list for Patrolman, giving names to enable Commissioner to appoint 210 persons.

E. G. Gilmore—Commending Patrolman Frank Dunn, Eighteenth Precinct, for promotion for meritorious conduct.

Patrolman William A. Coleman, Central Office—Asking to be appointed Operator in Telegraph Bureau.

S. Liston, United States Consul, Rotterdam—Acknowledgment of receipt of copy of Annual Report and of Rules and Regulations of Police Department.

Lee Phillips—Authorizing transfer of Jeremiah I. Bacon from position of Register of Claims, Finance Department, to that of Clerk in Police Department, as of May 1, 1901, with compensation not exceeding \$1,500 per annum.

ON FILE, SEND COPY.

Report on communication from the Mayor, inclosing letter from Annie Connelly, as to an alleged policy shop at No. 487 Seventh avenue.

On reading and filing communication from Lee Phillips, Secretary, Municipal Civil Service Commission, dated May 20, 1901, relative to the reinstatement of James P. Kennedy as Patrolman in the Police Department, and stating that there is no objection on the part of the Municipal Civil Service Commission to such reinstatement at the compensation received by said James P. Kennedy at the time of his resignation.

Ordered, That the proceedings of May 16, 1901, reappointing James P. Kennedy as Patrolman in the Police Department of the City of New York, be and is hereby amended by adding therein "such reappointment to be at the rate of compensation received by said James P. Kennedy at the time of his resignation, June 18, 1900."

By order of the Commissioner.

WM. H. KIPP, Chief Clerk.

POLICE DEPARTMENT.

New York, May 22, 1901.

The following proceedings were this day directed by the Police Commissioner:

On reading and filing report of the First Deputy Commissioner of the purchase of three horses,

Ordered, That the First Deputy Commissioner be and is hereby authorized and directed to purchase three additional horses for the use of the Mounted Squad.

Ordered, That requisition be and is hereby made upon the Municipal Civil Service Commission for an eligible list to enable the Police Commissioner to appoint five Doormen in the Police Department.

On reading and filing communication from Horgan & Slattery, architects, giving notice that Thomas B. Leahy, contractor for the Thirty-seventh Precinct Station-house, situated on Bathgate avenue, near One Hundred and Seventy-seventh street, is not carrying out the terms of his contract, to wit: He started to set terra-cotta on last Friday, which had been previously rejected as defective and has continued to set and refuses to remove same, and that the brickwork on the front is also poorly done; and, further, that said Thomas B. Leahy, also contractor for the erection of the Thirty-fourth Precinct Station-house on Selgwick avenue, near Wolf street, is setting rejected granite, which is not according to specifications.

Ordered, That said Thomas B. Leahy, in pursuance of the agreements and specifications of said contracts, is hereby notified to remove the defective materials referred to immediately and to furnish proper materials in lieu thereof within a reasonable time; and further

Ordered, That all certificates for payments to said Thomas B. Leahy on account of said contracts be withheld until notice has been received from Messrs. Horgan & Slattery, architects for the same buildings, that they are satisfied that said defective materials will be removed and replaced as per said contracts.

Application of Louis Lefkowitz for license for No. 157 Bloeker street (concert) laid over.

Communication from Willis Holly, Secretary, Park Department, relative to police sheds at Sheepfold, and asking to be advised as to requirements for shed to be erected by the Park Department upon site selected by Landscape Gardener, between Sheepfold stables and the gate to the Transverse road, referred to Sergeant Egan for report as to requirements.

Deputy Comptroller Daly, transmitting D Warrant 11049, \$4, testing boilers, Department of Correction; also A Warrant 4322, \$2, testing boilers, Department of Public Buildings, Lighting and Supplies, Brooklyn, referred to Sergeant Mangin, Sanitary Corps, to pay to Pension Fund and return vouchers to Comptroller.

Ordered, That the following-named Roundsmen will hereafter be entered on the pay-rolls of their respective precincts at the rate of salary of one thousand five hundred dollars per annum, pursuant to a decision of the Court of Appeals: Thomas J. Daly, Second Precinct; Thomas A. Ryan, Headquarters Squad; James A. Murray, Tenth Precinct; John Leonard, Sixth Precinct; William H. Khan, Sixteenth Precinct; Solomon C. Hauptman, Sixth Precinct; James Duane, Fourteenth Precinct; Martin Regan, Seventy-fourth Precinct; Alexander Kerr, Twentieth Precinct; William A. Miles, Twenty-first Precinct; Charles Heffernan, Thirty-seventh Precinct; Daniel M. Gilson, Forty-second Precinct; William F. Doettler, Bicycle Squad; Charles E. Northrop, Sixty-first Precinct; Horatio N. Young, Eightieth Precinct; Charles Mass, Thirty-eighth Precinct; John P. Leary, Fifth Precinct.

On reading and filing communication from Mr. Anson Phelps Stokes relative to meritorious conduct of Patrolman William F. Allen, Nineteenth Precinct, in stopping a runaway horse to his carriage on May 11, 1901.

Ordered, That the officer be commended.

On reading and filing communication from M. P. Stevens, attorney for Pease Piano Company, stating that claim against Patrolman Leo Pietschker, Thirty-second Precinct, has been paid in full and asking that the fine of five days imposed February 20, 1901, be remitted.

Ordered, That such fine be remitted.

Ordered, That the fines imposed upon Patrolman John J. Bradley, Tenth Precinct, of six days' pay on March 10, 1897, and of five days on December 1, 1897, be and are hereby remitted, provided he signs a waiver of all salary or pay deducted for account of said fines.

Board of Estimate and Apportionment—Forwarding copy of resolution transferring \$100 from appropriation made to the Police Department for the year 1899, entitled, "Supplies for Police," to appropriation made to the same Department for the year 1899, entitled, "Contingent Expenses of Central Department and Station-houses," to enable the payment of claim of R. A. Wilthaus, M. D., for chemical and other examination, dated October 5, 1900, on file.

FULL PAY GRANTED.

Patrolman John H. Conway, Tenth Precinct, from April 22 to May 4.

" Adolph Holtje, Twenty-seventh Precinct, from May 3 to 12.

SPECIAL PATROLMAN APPOINTED.

Philip Ryan, for George C. Tilyou.

LEAVE OF ABSENCE.

Inspector Thomas Murphy, Eleventh District, twenty days' vacation.

Captain Martin Short, twenty days' vacation.

Application of Max Muscovits to withdraw petition for license as Runner granted, deposit to be refunded.

Report of George B. Hillyer, Sergeant in charge of horses, Brooklyn, relative to seat cushion made by M. W. Fogg, No. 20 Fulton street, Manhattan, for patrol wagon, Fifty-third Precinct, referred to Sergeant O'Brien for report.

Gibbons Contracting Company, Nos. 318 and 320 Columbia street, Brooklyn, asking relative to their estimate for work at Forty-fifth Precinct, referred to Sergeant O'Brien for report.

Sinking Fund Commission, copy of resolution authorizing renewal of lease for third lot No. 151 Crosby street, three months from June 1, 1901, at \$80 per month, for the purposes of the Property Clerk, on file.

The following vouchers referred to the Comptroller as Treasurer of the Police Pension Fund: Requisition No. 200, Police Fund, \$34,125.41; Department of Health, Borough of Manhattan, Sanitary Police, 1901, \$255.26.

Requisition No. 201, Department of Health, Bronx, Sanitary Police, 1901, \$22.83.

Requisition No. 202, Department of Health, Brooklyn, Sanitary Police, 1901, \$84.76.

Requisition No. 203, Department of Health, Queens, Sanitary Police, 1901, \$11.50.

Requisition No. 204, Department of Health, Richmond, Sanitary Police, 1901, \$13.87.

CONCERT LICENSES GRANTED.

Sullivan & Kraus, The Dewey, Nos. 126 to 130 East Fourteenth street, to May 1, 1902, fee \$500.

James R. Cherry, Hon Ton Music Hall, Nos. 115 to 117 West Twenty-third street, to May 1, 1902, fee \$500.

Albert Hergenhan, Olympia Hotel, South Beach, from May 15 to November 15, fee \$50.

RUNNER LICENSES GRANTED.

Charles A. Faucart, No. 272 West street, renewal, fee \$12.50, bond \$300.

Joseph R. Rice, No. 451 Henry street, Brooklyn, renewal, fee \$12.50, bond \$300.

Charles Freund, No. 272 West street, renewal, fee \$12.50, bond \$300.

ON FILE.

Lee Phillips, Secretary, Civil Service Commission—Giving changes in addresses of eligibles on list for Patrolmen.

Report of Surgeon Marsh of contagious disease in family of Patrolman Robert J. Redmond, Twenty-fourth Precinct.

Sergeant William C. Egan, in charge of horses—Of the purchase of three horses.
 Twenty-second Precinct—Report of Captain Donohue of finding body of Rev. Father Phillips.
 Report of Surgeon McGovern of contagious disease in the family of Patrolman Frank A. Flagler, Twenty-eighth Precinct.
 Sixty-second Precinct—Report of Captain Lawrence J. Murphy relative to application for appointment of Oliver Vahor as Special Patrolman. Application denied.
 Sixty-third Precinct—Report relative to an alleged "dive" at No. 28 Graham avenue, Brooklyn.
 John O'Byrne—Stating that he is on eligible list for Patrolmen and that he has changed his address to No. 112 First place, Brooklyn.
 W. F. Patterson—Acknowledgment.
 D. A. McCormick—Relative to new station-house for Forty-first Precinct.
 Ernest Bohm, Corresponding Secretary, Central Federated Union—Thanking the Police Commissioner for prompt action on Sunday closing law.

ON FILE, SEND COPY.

Report on communication from the Mayor—Inclosure from Miss Mary Franey concerning whereabouts of her brother, William Franey.
 On communication from Mayor—Inclosure from H. O. McMillan as to whereabouts of Andrew McMillan.
 Report of Captain Hickman—Relative to William Walter Wann.
 Report on communication from the Mayor—Inclosure from James Ochoa concerning whereabouts of Victor Ochoa.
 On communication from Mayor—Inclosure from Emily Frisby as to whereabouts of family of one Jane Bell.

REFERRED TO CORPORATION COUNSEL.

Communication from William A. Sweetzer—Asking that Denis J. Riley, his client, be reinstated as Patrolman, or that the merits of the case be referred to the Corporation Counsel.

REFERRED TO FIRST DEPUTY COMMISSIONER.

George A. Mott—Asking if pension can be granted to Anna M. Mott, Petitioner of Alice Fanny and Ellen Nash for pension.
 Petition of Emma Aiken for increase of pension.
 Communication from Royal W. Walsh—Asking relative to letter heretofore sent to this Department by George W. Bishop. For report as to whether pension should be granted.

CHIEF CLERK TO ANSWER.

Louis Michael—Asking two tickets for police parade.
 C. C. Champlin, Ohioville, N. Y.—Asking appointment as Patrolman.
 C. V. Dykeman—Asking disposition of case against Patrolman Ballen.
 Myron Butler—Asking if case of Ginsberg vs. Elgen cannot be put off to another than Decoration Day.
 Francis P. Treasurer, Board of Police Commissioners, Yonkers—Asking for samples of letter heads used by this Department.

REFERRED TO SECOND DEPUTY COMMISSIONER.

American District Telegraph Company, Brooklyn—Asking appointment of Patrick Grady as Special Patrolman.

REFERRED TO INSPECTOR CORTRIGHT.

Communication from John Schappert—Stating that Henry Schultheis is not a proper person to be appointed on the police force.
 M. Q. Campbell—Asking information relative to standing of J. H. Goodwin, No. 1215 Broadway.
 C. W. Baldwin—Asking appointment of Charles Webster and Henry Metzler as Special Patrolmen.
 Statement of moneys received for account of licenses, amounting to \$3,607.50, referred to Comptroller.
 By order of the Commissioner.

WILLIAM H. KIPP, Chief Clerk.

POLICE DEPARTMENT.

NEW YORK, May 23, 1901.

The following proceedings were this day directed by the Police Commissioner:
 Ordered, That Inspector Moses W. Cortright be and is hereby designated as Senior Inspector and assigned to the Borough of Manhattan.
 On report of First Deputy Commissioner:
 Ordered, That pension of \$500 per annum be and is hereby granted to Caroline Bockhorn, widow of Charles L. Bockhorn, pensioner, from and after date.
 Assistant Deputy Comptroller Hubert L. Smith—Transmitting "A" Warrant No. 11570, \$4, testing boilers, Department Public Buildings, Lighting and Supplies, Borough of Manhattan; also "A" Warrant No. 1353, \$2, testing boilers, Department of Water Supply, Borough of Queens. Referred to Sergeant Mangin, Central Office, to pay to Pension Fund and return vouchers to the Comptroller.

SPECIAL PATROLMEN APPOINTED.

John Henning, Thomas Curley and Patrick Traynor, for Walter C. Foster, North Beach, Borough of Queens.
 James Higgins, for American Exchange National Bank.

FULL PAY GRANTED.

Patrolman Charles C. Mason, Twenty-first Precinct, from March 30 to April 29.
 Patrolman Eugene F. Fox, Thirty-second Precinct, from April 1 to April 4 and April 6 to April 26.

RESIGNATION SPECIAL PATROLMAN.

William Quinn.

REFERRED TO CIVIL SERVICE COMMISSION.

Petition of Patrolman Morris Florsheim, Twenty-ninth Precinct, for examination for promotion.

REFERRED TO SECOND DEPUTY COMMISSIONER.

George V. Brower, Commissioner, Parks, Borough of Brooklyn, complaint of depredations on Flushing avenue side of City Park, and asking for Police protection.

REFERRED TO SENIOR INSPECTOR.

F. W. Repper, asking appointment of Henry Keith as Special Patrolman.

REFERRED TO INSPECTOR.

Application of Walter C. Foster, North Beach, for appointment of John J. Broughton and James Stanton as Special Patrolmen.
 Application of Louis Lefkowitz for concert license for No. 157 Bleecker street. Inspector of District to report whether proper to be licensed.

CHIEF CLERK TO ANSWER.

John M. Perry, attorney for Sabbath Committee—Asking that opinion of Corporation Counsel, heretofore referred to, be sent to him when received by this Department.

ON FILE.

D. R. Bolster—Relative to progress of work on foundation wall, Thirty-seventh Precinct Station-house.

Communication from Alexander Worms, commending Patrolman Daniel J. Curtin, Thirty-fourth Precinct, with report.

Report of Surgeon Sullivan of contagious disease in family of Patrolman M. J. McNeeley, Fifty-fifth Precinct.

Report of Surgeon Nesbitt of contagious disease in the family of Patrolman Thomas Morgan, Thirtieth Precinct.

Report of Surgeon Vosburg of contagious disease in the family of Patrolman John D. Lawton, Seventh Precinct.

Report of Surgeon Nammack of contagious disease in the family of Patrolman David V. Du Bois, Sixteenth Precinct.

Application of Meyer Hecht for detail of policemen at Fifty-ninth street and Fifth and Sixth avenues.

Application of J. Hausman & Co. and others for appointment of Hyman Wiener as Special Patrolman. Application denied.

Charles S. Thorpe—Relative to the application of Patrick Ginley for reinstatement on the force.

Report of Captain Delaney relative to meritorious work of Detective R. F. Walsh in arresting John Hughes, alias "The Dangerous Blacksmith."

Report on communication of James C. White, commending Patrolman James M. Hamill, Twenty-eighth Precinct, for stopping a runaway horse.

CONCERT LICENSE GRANTED.

William Nunley, Railroad Hotel and Casino, South Beach, Richmond, May 18 to November 18, \$50.

RUNNER LICENSE GRANTED.

Frank Cesana, No. 69 Laight street, renewal fee, \$12.50; bond, \$300.

EMIGRANT BOARDING HOUSE LICENSE GRANTED.

Frank Cesana, No. 69 Laight street, renewal fee, \$10; bond, \$500.

Ordered, That the flags at Central Office, on Borough Headquarters and on all station-houses be placed at half-mast on account of the death of Fitz John Porter, ex-Police Commissioner.

Ordered, That the following bills be approved and referred to the Comptroller for payment: Supplies for Police, 1900—

No. 4301. Gas Engine and Power Company, repairs to launch.....	\$391.46
No. 4302. Consolidated Rubber Tire Company, rubber tires.....	135.00
No. 4303. P. W. Vallely, desk.....	107.00
No. 4304. M. Marlborough Sons, wagon repairs.....	85.00
No. 4305. Marine Vapor Engine Company, repairs to launch.....	400.00
No. 4306. Gas Engine and Power Company, ".....	204.70
No. 4307. Mark W. Cross Company, bridle reins.....	1.75
No. 4308. J. L. Mott Iron Works, stove supplies.....	16.03
No. 4309. ".....	32.38
No. 4310. ".....	11.48
No. 4311. ".....	26.99
No. 4312. ".....	4.68
No. 4313. ".....	14.39
No. 4314. ".....	20.19
No. 4315. ".....	35.43
No. 4316. ".....	12.57
No. 4317. ".....	15.25
No. 4318. ".....	47.74
No. 4319. ".....	17.34
No. 4320. ".....	25.68
No. 4321. ".....	19.59
No. 4322. ".....	41.37
No. 4323. ".....	5.86
No. 4324. ".....	30.01
No. 4325. ".....	11.29
No. 4326. ".....	281.82
No. 4327. Martin B. Brown Company, blanks.....	3.75
No. 4328. M. W. Cross Company, leather tags.....	42.00
No. 4329. "..... harness supplies.....	55.75
No. 4330. Department of Correction, bedsteads.....	62.00
No. 4331. ".....	844.00
No. 4332. ".....	40.50
No. 4333. J. L. Mott Iron Works, mangers.....	14.00
No. 4334. ".....	8.00
No. 4335. ".....	8.00
No. 4336. Peters & Heins, wagon lamp.....	17.50
No. 4337. Martin B. Brown Company, index book.....	8.25
No. 4338. "..... day and night posts.....	61.75
No. 4339. Addison Johnson, agent, etc., cans, etc.....	150.15
No. 4340. J. Warren Mead, agent, etc., tables.....	27.73
No. 4341. E. P. Gleason Manufacturing Company, lamp.....	30.50
No. 4342. J. L. Mott Iron Works, stove supplies.....	10.14
No. 4343. ".....	9.58
No. 4344. ".....	11.08
No. 4345. ".....	6.16
No. 4346. ".....	10.27
No. 4347. ".....	22.35
No. 4348. ".....	20.89
No. 4349. ".....	12.03
No. 4350. ".....	16.39
No. 4351. ".....	19.64
No. 4352. M. Marlborough Sons, wagon repairs.....	29.95
No. 4353. ".....	191.60
No. 4354. New York Safety Tread Company, stair treads.....	168.75
No. 4355. Stearns Bicycle Agency, bicycle repairs.....	8.05
No. 4356. Martin B. Brown Company, binding returns.....	24.00
No. 4357. "..... envelopes.....	643.25
No. 4358. "..... amendments.....	9.25
No. 4359. "..... pens.....	6.00
No. 4360. J. L. Mott Iron Works, stoves, etc.....	70.25
No. 4361. Consolidated Rubber Tire Company, tires.....	27.00
No. 4362. George Meyer, harness repairs.....	44.95
No. 4363. Martin B. Brown Company, binding returns.....	24.00
No. 4364. Alfred Gaskell, disinfectant.....	45.90
No. 4365. ".....	49.50
No. 4366. ".....	45.00
No. 4367. ".....	45.00
No. 4368. ".....	47.70
No. 4369. ".....	46.80
No. 4370. ".....	45.90
No. 4371. ".....	45.90
No. 4372. Thomas S. and James C. Wynn, coal (contract).....	1,023.61
No. 4373. J. F. Craddock, harness repairs.....	3.55
No. 4374. George Deyo, agent, etc., ash cans, etc.....	534.50
No. 4375. Mark W. Cross Company, harness.....	50.00
No. 4376. Banks Law Publishing Company, Building Code.....	1.40
No. 4377. Martin B. Brown Company, time cards.....	21.00
No. 4378. Roscoe R. Bell, D. V. S., veterinary services.....	72.45
No. 4379. ".....	35.50
No. 4380. ".....	20.75
No. 4381. Stearns' Bicycle Agency, bicycles.....	325.00
No. 4382. August Bellon, horseshoeing.....	2.50
No. 4383. Mrs. Frederick S. Blay, meals to prisoners.....	8.55
No. 4384. Thomas F. Fallon, horseshoeing.....	21.00
No. 4385. J. F. Craddock, horseshoeing.....	1.20
No. 4386. Martin Leonhardt, harness repairs.....	3.00
No. 4387. S. A. French, refitting shields.....	20.50
No. 4388. Michael Malone, horseshoeing.....	14.00
No. 4389. The Scoville & Adams Company, photograph material.....	149.31
No. 4390. Joseph N. Early, D. and S. supplies.....	850.88
No. 4391. ".....	18.54
Total.....	\$8,413.90

By order of the Commissioner.

W. H. KIPP, Chief Clerk.

DEPARTMENT OF CORRECTION.

REPORT OF TRANSACTIONS, MAY 20 TO MAY 25, 1901.

Communications Received.

From Penitentiary, Blackwell's Island—List of prisoners received during week ending May 18, 1901—Males, 21; females, 1; on file. List of 28 prisoners to be discharged from May 26 to June 1, 1901; transmitted to Prison Association.

From City Prison—Amount of fines received during week ending May 18, 1901, \$268. On file.

From District Prisons—Amount of fines received during week ending May 18, 1901, \$429. On file.

From Workhouse, Blackwell's Island—Amount of fines received during week ending May 18, 1901, \$74. On file.

From Department of Public Charities—Requesting that river wall on Blackwell's Island, from Metropolitan Hospital to north point of island, city side, be repaired, as it is broken and is being washed away. Warden of Workhouse to have wall repaired. Department of Public Charities to furnish material other than stone.

From Heads of Institutions—Reporting meats, milk, fish, etc., received during week ending May 18, 1901, agreed with specifications. On file.

Reports of census, labor, punishments, for week ending May 18, 1901. On file.

From Penitentiary, Blackwell's Island—Reporting an accident to a prisoner, Thomas McKenna, who was struck on foot by a falling rock while he was working at the quarry. On file.

From State Commissioner of Prisons—Calling attention to letter in regard to supplies needed by Health Department, New York City, and asking if same could be manufactured at Kings County Penitentiary. Referred to Deputy Commissioner, boroughs of Brooklyn and Queens.

From City Cemetery, Hart's Island—List of burials during week ending May 18, 1901. On file.

From Kings County Penitentiary—List of prisoners received during week ending May 18, 1901—Males, 18; females, 2; on file. List of 12 prisoners to be discharged from May 20 to 25, 1901; on file.

Proposals of lowest bidders to furnish supplies. Accepted.

The P. T. Witte Hardware Company, for hardware, glass, rubber, hose, etc., \$48 25

John W. Buckley, for wire-bound hose, packing, etc., 12 65

The Manhattan Supply Company, for round iron, drygoods, etc., 40 38

Edward G. Sheppard, for canvas, hardware, etc., 70 25

W. P. Young & Bros., for pine and oak lumber, 52 08

Toch Bros., for pumice bricks, 3 40

D. H. McIlvaine, for marlin, manila rope, etc., 5 51

H. T. Wakeman, for hardware, drygoods, etc., 8 53

A. Leber, for gum tragacanth, bronze liquid, 6 70

J. Shann, Jr., for drygoods, table spoons, etc., 404 80

Peter J. Constant, for seersucker, manila wrapping paper, etc., 404 88

Ogden & Wallace, for flat and round iron, 18 50

Charles H. Pleasant, for damar and furniture varnish, 5 75

FRANCIS J. LANTRY, Commissioner.

BOARD OF CITY MAGISTRATES.

OFFICE OF
BOARD OF CITY MAGISTRATES,
FIRST DIVISION,
NEW YORK, May 31, 1901.

Supervisor of the City Record:

DEAR SIR—At a regular meeting of the Board of City Magistrates, First Division, City of New York, held on the 27th day of May, 1901, at the Seventh District City Magistrates' Court Building, No. 314 West Fifty-fourth street, Edwin C. Cloyd of No. 10 East One Hundred and Thirtieth street was duly appointed a Stenographer in and for the City Magistrates' Courts of the First Division of the City of New York, in accordance with the Civil Service Laws and Rules of the Municipal Civil Service Commission, for a probationary term of three months from June 1, 1901.

Yours respectfully,
PHILIP BLOCH,
Secretary.

DEPARTMENT OF BRIDGES.

THE CITY OF NEW YORK,
DEPARTMENT OF BRIDGES,
BOROUGH OF THE BROOKLYN,
THIRD AVENUE AND 177TH STREET,
May 27, 1901.

Supervisor of the City Record:

DEAR SIR—Pursuant to section 1546, chapter 378 of the Laws of 1897, I respectfully notify you of the following reinstatement in the Department of Bridges, Borough of the Bronx:

Michael F. Carow, East One Hundred and Fifty-second street, near Wales avenue, Carpenter, at \$3.50 per day, the same to take effect June 3, 1901.

Respectfully,
JOHN L. SHEA,
Commissioner of Bridges,
City of New York.

MUNICIPAL ASSEMBLY.

THE CITY OF NEW YORK,
OFFICE OF THE CITY CLERK,
CITY HALL,
NEW YORK, May 31, 1901.

To whom it may concern:

There will be a public hearing before the Committee on Law Department of the Council on Friday, June 7, 1901, at 2 o'clock P. M., in the Council Chamber, City Hall, on a proposed ordinance relative to peddlers.

P. J. SCULLY,
City Clerk.

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 of the places where such offices are kept and such Courts are held; together with the hours of Departments and Courts:

EXECUTIVE DEPARTMENT.
Mayor's Office.
No. 6 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

ROBERT A. VAN WYCK, Mayor.
ALFRED M. DUNHAM, Private Secretary.

Bureau of Licenses.
9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

DAVID J. ROCHE, Chief of Bureau.

Principal Office, Room 1, City Hall. GEORGE W. BROWN, Jr., Deputy Chief in Boroughs of Manhattan and The Bronx.

Branch Office, Room 29, Borough Hall, Brooklyn; WILLIAM H. JORDAN, Deputy Chief in Borough of Brooklyn.

Branch Office, "Richmond Building," New Brighton, S. I.; WILLIAM H. McCORMACK, Deputy Chief in Borough of Richmond.

Branch Office, "Hackett Building," Long Island City; PETER FLAHERTY, Deputy Chief in Borough of Queens.

THE CITY RECORD OFFICE,
and Bureau of Printing, Stationery and Blank Books.
No. 2 City Hall, 9 A. M. to 4 P. M.; Saturday, 9 A. M. to 12 M.

WILLIAM A. BUTLER, Supervisor; SOLOMON BRANICK, Deputy Supervisor; THOMAS C. COWELL, Deputy Supervisor and Accountant.

MUNICIPAL ASSEMBLY.
THE COUNCIL.
RANDOLPH GOODENOUGH, President of the Council.
P. J. SCULLY, City Clerk.
Clerk's office open from 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.

Bureau for the Collection of Assessments and Arrears.
EDWARD GILSON, Collector of Assessments and Arrears.

EDWARD A. SLATTERY, Deputy Collector of Assessments and Arrears, Borough of Manhattan.

JAMES E. STANFORD, Deputy Collector of Assessments and Arrears, Borough of The Bronx.

MICHAEL O'KEEFE, Deputy Collector of Assessments and Arrears, Borough of Brooklyn.

JOHN F. ROCKS, Deputy Collector of Assessments and Arrears, Borough of Queens.

GEORGE BRADY, Deputy Collector of Assessments and Arrears, Borough of Richmond.

Bureau for the Collection of Taxes.
DAVID E. AUSTIN, Receiver of Taxes.
JOHN J. McDONOUGH, Deputy Receiver of Taxes, Borough of Manhattan.

JOHN B. UNDERHILL, Deputy Receiver of Taxes, Borough of The Bronx.

JAMES E. BOUCE, Deputy Receiver of Taxes, Borough of Brooklyn.

FREDERICK W. BLACKWOOD, Deputy Receiver of Taxes, Borough of Queens.

MATTHEW S. TULLY, Deputy Receiver of Taxes, Borough of Richmond.

Bureau for the Collection of City Revenue and of Markets.
DAVID O'BRIEN, Collector of City Revenue and Superintendent of Markets.

ALEXANDER MEANIM, Clerk of Markets.

Bureau of the City Chamberlain.
PATRICK KIRKMAN, City Chamberlain.

JOHN H. CAMPBELL, Deputy Chamberlain.

Office of the City Paymaster.
No. 53 Chambers street and No. 65 Rensselaer street.
JOHN H. TIMMERMAN, City Paymaster.

BOARD OF PUBLIC IMPROVEMENTS.
Nos. 23 to 25 Park Row, 12th floor, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

MAURICE F. HULAHAN, President.

JOHN H. MOONEY, Secretary.

Department of Highways.
Nos. 15 to 21 Park Row, 9 A. M. to 4 P. M.

JAMES P. KEATING, Commissioner of Highways.

WILLIAM N. SHANNON, Deputy for Manhattan.

THOMAS R. FARRELL, Deputy for Brooklyn.

JAMES H. MALONEY, Deputy for Bronx.

CHARLES C. WARELL, Deputy for Queens.

HENRY P. MORRISON, Deputy and Chief Engineer for Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Sewers.
Nos. 15 to 21 Park Row, 9 A. M. to 4 P. M.

JAMES KANE, Commissioner of Sewers.

MATTHEW F. DONOHUE, Deputy for Manhattan.

THOMAS J. BYRNES, Deputy for Bronx. Office, Third avenue and One Hundred and Seventy-seventh street.

WILLIAM BENEDICT, Deputy for Brooklyn. Office, Municipal Building, Room 42.

MATTHEW J. GOLDNER, Deputy Commissioner of Sewers, Borough of Queens. Office, Hackett Building, Long Island City.

HENRY P. MORRISON, Deputy Commissioner and Chief Engineer of Sewers, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Bridges.
Nos. 15 to 21 Park Row, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

JAMES L. SHERR, Commissioner.

THOMAS H. YORK, Deputy.

SAMUEL R. PROHASKO, Chief Engineer.

MATTHEW H. MOORE, Deputy for Bronx.

HARRY BRAM, Deputy for Brooklyn.

JOHN E. DACKIN, Deputy for Queens.

Department of Water Supply.
Nos. 15 to 21 Park Row. Office hours, 9 A. M. to 4 P. M.

WILLIAM DALTON, Commissioner of Water Supply.

JAMES H. HADLIN, Deputy Commissioner, Borough of Manhattan.

GEORGE W. BIRNALL, Chief Engineer.

W. G. HANCOCK, Water Registrar.

JAMES MOFFETT, Deputy Commissioner, Borough of Brooklyn, Municipal Building, Brooklyn.

LAURENCE GREIDER, Deputy Commissioner, Borough of Queens, Long Island City.

THOMAS J. MULLIGAN, Deputy Commissioner, Borough of The Bronx, Crotona Park Building.

HENRY P. MORRISON, Deputy Commissioner, Borough of Richmond. Office, "Richmond Building," corner Richmond Terrace and York avenue, New Brighton, S. I.

Department of Street Cleaning.
Nos. 15 to 21 Park Row, 9 A. M. to 4 P. M.

FREDERICK E. NAGLE, Commissioner.

F. M. GIBSON, Deputy Commissioner for Borough of Manhattan.

PATRICK H. QUINN, Deputy Commissioner for Borough of Brooklyn, Room 39, Municipal Building.

JENNIFER LIBERTY, Deputy Commissioner for Borough of The Bronx, No. 554 Willis avenue.

JAMES F. O'BRIEN, Deputy Commissioner for Borough of Queens, No. 48 Jackson avenue, Long Island City.

Department of Buildings, Lighting and Supplies.
Nos. 15 to 21 Park Row, 9 A. M. to 4 P. M.

HENRY S. KRASKY, Commissioner of Public Buildings, Lighting and Supplies.

PETER J. DOOLING, Deputy Commissioner for Manhattan.

JOHN E. BEST, Deputy Commissioner for The Bronx.

JAMES J. KIRWIN, Deputy Commissioner for Brooklyn.

JOHN FOWLER, Deputy Commissioner for Queens.

EDWARD I. MILLER, Deputy Commissioner for Richmond.

LAW DEPARTMENT.
Office of Corporation Counsel.
Staten-Zeitung Building, 3d and 4th floors, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.

JOHN WHALEN, Corporation Counsel.

THORNDIKE CONNOLLY, W. W. LAUD, JR., CHARLES BLANDY, GEORGE HILL, Assistants.

WILLIAM J. CARR, Assistant Corporation Counsel for Brooklyn.

Bureau for Collection of Arrears of Personal Taxes.
Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.

JAMES C. SPENCER, Assistant Corporation Counsel.

Bureau for the Recovery of Penalties.
Nos. 119 and 121 Nassau street.

AUDIAN T. KIRKMAN, Assistant Corporation Counsel.

Bureau of Street Openings.
Nos. 90 and 92 West Broadway.

JOHN P. DUNN, Assistant to Corporation Counsel.

POLICE DEPARTMENT.
Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.

MICHAEL C. MURPHY, Commissioner.

WILLIAM S. DEVEREY, First Deputy Commissioner.

BERNARD J. YONK, Second Deputy Commissioner.

BOARD OF ELECTIONS.
Borough of Manhattan.
No. 300 Mulberry street, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

Commissioners—JOHN R. VOORHIS (President), CHARLES H. PAGE (Secretary), JOHN MAGUIRE, MICHAEL J. DADDY.

Borough of Brooklyn.
No. 16 Smith street.

Borough of The Bronx.
One Hundred and Thirty-eighth street and Mott avenue.

Borough of Queens.
Police Station, Astoria.

Borough of Richmond.
Statens Island Savings Bank Building, Stapleton, S. I.

DEPARTMENT OF PUBLIC CHARITIES.
Central Office.
Foot of East Twenty-sixth street, 9 A. M. to 4 P. M.

JOHN W. KILLER, President of the Board; Commissioner for Manhattan and Bronx.

THOMAS S. BRESNAN, Deputy Commissioner.

ADOLPH H. GERTING, Commissioner for Brooklyn and Queens, Nos. 126 and 128 Livingston street, Brooklyn.

EDWARD GLOVER, Deputy Commissioner.

JAMES FERRY, Commissioner for Richmond.

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, 10 M.

Out-door Poor Department. Office hours, 8:30 A. M. to 4:30 P. M.

Department for Care of Destitute Children, No. 66 Third avenue, 8:30 A. M. to 4:30 P. M.

DEPARTMENT OF CORRECTION.
Central Office.
No. 148 East Twentieth street. Office hours from 9 A. M. to 4 P. M.; Saturdays to 12 M.

FRANCIS J. LANTRY, Commissioner.

N. O. FARRING, Deputy Commissioner.

JOHN MCKENNEY GRAY, Deputy Commissioner for Boroughs of Brooklyn and Queens.

FIRE DEPARTMENT.
Office hours for all, except where otherwise noted, from 9 A. M. to 4 P. M.; Saturdays, 10 M.

Headquarters.
Nos. 157 and 159 East Sixty-seventh street.

JOHN J. SCANNELL, Fire Commissioner.

JAMES H. TULLY, Deputy Commissioner, Boroughs of Brooklyn and Queens.

AUGUSTUS T. DUCHARTY, Secretary.

EDWARD F. COOKER, Chief of Department and in Charge of Fire-Alarm Telegraph.

JAMES DALE, Deputy Chief, in Charge of Boroughs of Brooklyn and Queens.

GEORGE E. MURRAY, Inspector of Combustibles.

PETER SEERY, Fire Marshal, Boroughs of Manhattan, The Bronx and Richmond.

ALONZO BRYNER, Fire Marshal, Boroughs of Brooklyn and Queens.

Central Office open at all hours.

Committee to examine persons who handle explosives meets Thursday of each week, at 2 o'clock P. M.

DEPARTMENT OF DOCKS AND FERRIES.
Pier "A," N. R., Battery Place.

J. SEBASTIAN CARM, President; CHARLES F. MURPHY, Treasurer; PETER F. MEYER, Commissioners.

WILLIAM H. BURKE, Secretary.

Office hours, 9 A. M. to 4 P. M.; Saturdays, 10 M.

DEPARTMENT OF HEALTH.
Southwest corner of Fifty-fifth street and Sixth avenue, 9 A. M. to 4 P. M.

Bureau of Burial and Contagious Disease Offices always open.

JOHN B. SEXTON, President, and WILLIAM T. JENNINGS, M. D., JOHN B. CONRY, M. D., THE PRESIDENT OF THE PUBLIC BOARD, ex-officio, and the HEALTH OFFICERS OF THE PORT, ex-officio, Commissioners.

CARL GOLDSTEIN, Secretary pro tem.

CHARLES F. ROBERTS, M. D., Sanitary Superintendent.

FREDERICK H. DILLINGER, M. D., Assistant Sanitary Superintendent, Borough of Manhattan.

EUGENE MORAN, M. D., Assistant Sanitary Superintendent, Borough of The Bronx.

ROBERT A. BLACK, M. D., Assistant Sanitary Superintendent, Borough of Brooklyn.

OTTO L. LUK, M. D., Assistant Sanitary Superintendent, Borough of Queens.

JOHN L. FERRY, M. D., Assistant Sanitary Superintendent, Borough of Richmond.

DEPARTMENT OF PARKS.
GEORGE C. CLARKIN, President, Park Board, Commissioner in Manhattan and Richmond.

WILLIS HOLLY, Secretary, Park Board.

Offices, Arsenal, Central Park.

GEORGE V. BLUMER, Commissioner in Brooklyn and Queens.

Offices, City Hall, Brooklyn, and Litchfield Mansions, Prospect Park.

AGUST MOERUS, Commissioner in Borough of The Bronx.

Offices, Zhrowski Mansion, Claremont Park.

Office hours, 9 A. M. to 4 P. M.; Saturdays, 10 M.

Art Commissioners.
SAMUEL P. AVREY, DANIEL C. FRECH, Commissioners.

DEPARTMENT OF BUILDINGS.
Main Office, No. 200 Fourth avenue, Borough of Manhattan. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

JAMES G. WALLACE, President of the Board of Buildings and Commissioner for the Boroughs of Manhattan and The Bronx.

JOHN GUILFOYLE, Commissioner for the Borough of Brooklyn.

DANIEL CAMPBELL, Commissioner for the Boroughs of Queens and Richmond.

A. J. JOHNSON, Secretary.

Office of the Department for the Boroughs of Manhattan and The Bronx, No. 200 Fourth avenue, Borough of Manhattan.

Office of the Department for the Borough of Brooklyn, Borough Hall, Borough of Brooklyn.

Office of the Department for the Boroughs of Queens and Richmond, Richmond Hall, New Brighton, Statens Island, Borough of Richmond. Branch office: Room 1, second floor, Town Hall, Jamaica, Long Island, Borough of Queens.

DEPARTMENT OF TAXES AND ASSESSMENTS.
Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 10 M.

THOMAS L. FETTER, President of the Board; EDWARD C. SHERRY, ARTHUR C. SALMON, THOMAS J. PATTERSON, FREDERICK LUTY, Commissioners; HENRY HEBLINGER, Chief Clerk.

BUREAU OF MUNICIPAL STATISTICS.
Nos. 15 to 21 Park Row, Room 101. Office hours from 9 A. M. to 4 P. M.; Saturdays from 9 A. M. to 12 M.

JOHN T. NAGLE, M. D., Chief of Bureau.

Municipal Statistical Commission: FREDERICK W. GRUBB, LL. D., ANTONIO MAGDORE, RICHARD T. WILSON, JR., ROBERT HARTLEY, J. EDWARD JETTER, THOMAS GILLMAN.

MUNICIPAL CIVIL SERVICE COMMISSION.
No. 246 Broadway, 9 A. M. to 4 P. M.
Charles H. Knott, President; Alexander T. Mason
and William N. Dymally, Commissioners.
Lee Phillips, Secretary.

BOARD OF ASSESSORS.
Office, No. 246 Broadway, 9 A. M. to 4 P. M.
Edward McCue (President), Edward Cahill,
Thomas A. Wilson, Patrick M. Harvey and John
R. McKeon, Board of Assessors; William H.
Jasper, Secretary; Thomas J. Sweeney, Chief Clerk.

DEPARTMENT OF EDUCATION.
BOARD OF EDUCATION.
Park avenue and Fifty-ninth street, Borough of Man-
hattan, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
Miles M. O'Brien, President; A. Emerson Palmer,
Secretary.

*School Board for the Boroughs of Manhattan and The
Bronx.*
Park avenue and Fifty-ninth street, Borough of Man-
hattan.
Miles M. O'Brien, President; William J. Ellis,
Secretary.

School Board for the Borough of Brooklyn.
No. 131 Livingston street, Brooklyn. Office hours,
9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
Charles E. Robertson, President; George D.
Barnes, Secretary.

School Board for the Borough of Queens.
Flushing, Long Island.
Patrick J. White, President; Joseph H. Fitz-
patrick, Secretary.

School Board for the Borough of Richmond.
Savings Bank Building, Stapleton, Staten Island.
William J. Cole, President; Robert Brown,
Secretary.

SHERIFF'S OFFICE.
Seavert Building, 9 A. M. to 4 P. M.
William F. Gault, Sheriff; Murray P. Mulvaney,
Under Sheriff.

SHERIFF'S OFFICE, KINGS COUNTY.
County Court-house, Brooklyn.
9 A. M. to 4 P. M.; Saturdays, 12 M.
William Walton, Sheriff; James Dunne, Under
Sheriff.

SHERIFF'S OFFICE, QUEENS COUNTY.
County Court-house, Long Island City, 9 A. M. to 4 P. M.
Joseph H. De Bragga, Sheriff; Joseph C. Bennett,
Under Sheriff.

SHERIFF'S OFFICE, RICHMOND COUNTY.
County Court-house, Richmond, S. I., 9 A. M. to 4 P. M.
Franklin C. Vitt, Sheriff.

REGISTER'S OFFICE.
East side City Hall Park. 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 9 P. M.
Isaac Froumer, Register; John Von Glahn, Deputy
Register.

REGISTER, KINGS COUNTY.
Hall of Records. Office hours, 9 A. M. to 4 P. M.,
excepting months of July and August, then from 9 A. M.
to 5 P. M., provided for by statute.
James B. Rowe, Register.
Warren C. Treuwall, Deputy Register.

COMMISSIONER OF JURORS.
Room 127 Stewart Building, Chambers street and
Broadway, 9 A. M. to 4 P. M.
Charles Wolfe, Commissioner.
Deputy Commissioner.

SPECIAL COMMISSIONER OF JURORS.
No. 112 Fifth Avenue, 9 A. M. to 4 P. M.
H. W. Gray, Commissioner.
Frederick P. Souther, Assistant Commissioner.

COMMISSIONER OF JURORS, KINGS COUNTY.
County Court-house.
William E. Melody, Commissioner.

COMMISSIONER OF JURORS, QUEENS COUNTY.
Office hours, 10 A. M. to 4 P. M.; Saturdays, 10 A. M.
to 12 M.
Edward J. Knauer, Commissioner.
H. Homer Moore, Assistant Commissioner.

COMMISSIONER OF JURORS, RICHMOND COUNTY.
Charles J. Kullman, Commissioner.
William J. Dowling, Deputy Commissioner.
Office open from 9 A. M. to 4 P. M.; Saturdays,
from 9 A. M. to 12 M.

NEW YORK COUNTY JAIL.
No. 70 Ludlow street, 5 A. M. to 9 P. M., daily.
William F. Gault, Sheriff.
Patrick H. Pickett, Warden.

KINGS COUNTY JAIL.
Raymond street, between Wiloughby street and
DeKalb avenue, Brooklyn, New York.
William Walton, Sheriff; Richard Berwick,
Warden.

COUNTY CLERK'S OFFICE.
Nos. 5, 9, 10 and 11 New County Court-house, 9
A. M. to 4 P. M.
William Scherer, County Clerk.
George H. Farnbach, Deputy.

KINGS COUNTY CLERK'S OFFICE.
Hall of Records, Brooklyn, 9 A. M. to 4 P. M.
Peter P. Hignerty, County Clerk.

QUEENS COUNTY CLERK'S OFFICE.
Jamaica, N. Y., Fourth Ward, Borough of Queens.
Office hours, April 1 to October 1, 9 A. M. to 5 P. M.,
October 1 to April 1, 9 A. M. to 3 P. M.; Saturdays, 10
to 12 M.
County and Supreme Court held at the Queens
County Court-house, Long Island City. Court opens
9 A. M. to 12 M. to adjourn 2 P. M.
James Ingram, County Clerk.
Charles Downes, Deputy County Clerk.

RICHMOND COUNTY CLERK'S OFFICE.
County Office Building, Richmond, S. I., 9 A. M. to 4
P. M.
Edward M. Muller, County Clerk.
Charles M. Conner, Deputy County Clerk.

NEW EAST RIVER BRIDGE COMMISSION.
Commissioners' Office, No. 251 Broadway, Borough
of Manhattan, New York, 9 A. M. to 4 P. M.
Lewis Nelson, President; James W. Boyle, Vice-
President; James D. Bell, Secretary; Julian D.
Fairchild, Treasurer; John W. Wacker, Smith E.
Laine and The Mayor, Commissioners.
Chief Engineer's Office, No. 24 Broadway, Brooklyn
E. D., 9 A. M. to 5 P. M.

DISTRICT ATTORNEY.
New Criminal Court Building, Centre street, 9 A. M.
to 4 P. M.
Eugene A. Philbin, District Attorney; William J.
McKenna, Chief Law Clerk.

KINGS COUNTY DISTRICT ATTORNEY.
Office, County Court-house, Borough of Brooklyn.
Hours, 9 A. M. to 5 P. M.
John F. Clancey, District Attorney.

QUEENS COUNTY DISTRICT ATTORNEY.
Office, Queens County Court-house, Long Island
City, 9 A. M. to 4 P. M.
John B. Merrill, District Attorney.
Clarance A. Drew, Chief Clerk.

RICHMOND COUNTY DISTRICT ATTORNEY.
Port Richmond, S. I.
Edward S. Rawson, District Attorney.

CORONERS.
Borough of Manhattan.
Office, New Criminal Court Building. Open at all
times of day and night.
Edward T. Fitzpatrick, Jacob E. Bausch, Edward
W. Hart, Antonio Zucca.

Borough of the Bronx.
No. 161 East One Hundred and Sixty-sixth street.
Open from 9 A. M. to 12 M. midnight.
Anthony McGowan, Thomas M. Lynch.

Borough of Brooklyn.
Office, Room 17, Borough Hall. Open at all times of
day and night, except between the hours of 12 M. and
5 P. M., on Sundays and holidays.
Anthony J. Dwyer, George W. Delany.

Borough of Queens.
Office, Borough Hall, Fulton street, Jamaica, L. I.
Pittie L. Cohen, Leonard Rouff, Jr., and Samuel
S. Guy, Jr.
Charles J. Schellker, Clerk.

Borough of Richmond.
No. 64 New York avenue, Rosebank.
Open for the transaction of business all hours of the
day and night.
John Sawyer, George C. Trautner.

SURROGATES COURT.
New County Court-house. Court open from 9 A. M.
to 4 P. M., except Saturdays, when it closes at 12 M.
Frank T. Fitzgerald, Anne C. Thomas, Surro-
gates; William V. Leary, Chief Clerk.

KINGS COUNTY SURROGATE'S COURT.
Hall of Records, Brooklyn.
George B. Abbott, Surrogate.
Michael F. McGoldrick, Chief Clerk.
Court open 10 A. M. Office hours, 9 A. M. to 4 P. M.

COUNTY JUDGE AND SURROGATE.
County Office Building, Richmond, S. I.
Stephen D. Stevens, County Judge.

CHANGE OF GRADE DAMAGE COMMISSION.
TWENTY-THIRD AND TWENTY-
FOURTH WARDS.
Room 38, Schermerhorn Building, No. 96 Broadway.
Meetings, Mondays, Wednesdays and Fridays, at
3 P. M.

William E. Stillinger, Chairman; Charles A.
Jackson, Oscar S. Bailey, Commissioners.
Lamont McLoughlin, Clerk.

EXAMINING BOARD OF PLUMBERS.
Rooms, 24, 25 and 26, Nos. 140 to 151 Church street.
President, John Rensselaer; Secretary, James E.
McGowan; Treasurer, Edward Halcy, Horace
Loomis, P. J. Andrews, ex-officio.
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.

KINGS COUNTY TREASURER.
Court-house, Room 14.
John W. Kimball, Treasurer; Thomas F. Farrell,
Deputy Treasurer.

QUEENS COUNTY COURT.
County Court-house, Long Island City.
County Court opens at 9:30 A. M.; adjourns at 3 P. M.
County Judge's office always open at Flushing, N. Y.
Harrison S. Moore, County Judge.

THE COMMISSIONER OF RECORDS, KINGS COUNTY.
Room 1, Hall of Records. Office hours, 9 A. M. to
4 P. M.
George E. Waldo, Commissioner.
Frank M. Thorburn, Deputy Commissioner.
Thomas D. McCroft, Superintendent.
Joseph H. Grenelle, Secretary.

SUPREME COURT.
County Court-house, 10 P. M. to 4 P. M.
Special Term, Part I, Room No. 16.
Clerk's Office, Part I, Room No. 15.
Special Term, Part II, Room No. 17.
Clerk's Office, Part II, Room No. 12.
Special Term, Part III, Room No. 18.
Clerk's Office, Part III, Room No. 19.
Special Term, Part IV, Room No. 20.
Special Term, Part V, Room No. 21.
Special Term, Part VI, Room No. 22.
Special Term, Part VII, Room No. 23.
Trial Term, Part I, Room No. 24.
Clerk's Office, Room No. 23.
Trial Term, Part II, Room No. 25.
Trial Term, Part III, Room No. 26.
Trial Term, Part IV, Room No. 27.
Trial Term, Part V, Room No. 28.
Trial Term, Part VI, Room No. 29.
Trial Term, Part VII, Room No. 30.
Trial Term, Part VIII, Room No. 31.
Trial Term, Part IX, Room No. 32.
Trial Term, Part X, Room No. 33.
Trial Term, Part XI, Room No. 34.
Trial Term, Part XII, Room No. 35.
Appellate Term, Room No. 36.
Clerk's Office, Appellate Term, Room No. 30.
Naturalization Bureau, Room No. 38.
Assignment Bureau, Room No. 39.

Justices—George C. Barrett, Abraham R. Law-
rence, Charles H. Truax, Charles F. MacLean,
James Fitzgerald, Miles Beach, David Levitt,
Leopold A. Greenglass, Henry Buschhoff, Jr., John
J. Freeman, George F. Andrews, P. Henry
Dugan, David McAdam, John Proctor Clark,
Henry A. Gildersleeve, Francis M. Scott, James
A. O'Gorman, James A. Blanchard, William
Sander, Clerk.

CITY COURT OF THE CITY OF NEW YORK.
No. 32 Chambers street, Brown-stone Building, City
Hall Park, from 10 A. M. to 4 P. M.

General Term.
Trial Term, Part I.
Part II.
Part III.
Part IV.
Special Term Chambers will be held 10 A. M. to 4
P. M.
Clerk's Office, from 9 A. M. to 4 P. M.
James M. Fitzhugh, Chief Justice; John H.
McCarthy, Lewis J. Conlan, John P. Schuchman,
Edward F. O'Dwyer, Theodore F. Hascall,
Francis B. Delamanty, Justices; Thomas F. Smith,
Clerk.

CRIMINAL DIVISION, SUPREME COURT.
New Criminal Court Building, Centre street. Court
opens at 10:30 o'clock A. M.
Edward R. Carroll, Clerk. Hours from 10 A. M.
to 4 P. M.

APPELLATE DIVISION, SUPREME COURT.
Court-house, Madison avenue, corner Twenty-fifth
street. Court opens at 1 P. M.
Charles H. Van Buren, Presiding Justice; Cheever
B. McLaughlin, Edward Patterson, Morgan J.
O'Brien, George L. Ingram, William Rumsby,
Edward W. Hatch, Justices; Alfred Wagstaff,
Clerk; William Lamb, Jr., Deputy Clerk.

COUNTY COURT, KINGS COUNTY.
County Court-house, Brooklyn, Rooms 10, 23, 25, and
27. Court opens at 9 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 20 and 27,
open daily from 9 A. M. to 4 P. M.; Saturdays, 10 M.
Joseph Asphall and Wm. B. Hued, Jr., County
Judges.
James S. Rogan, Chief Clerk.

COURT OF GENERAL SESSIONS.
Held in the building for Criminal Courts, Centre,
Elm, White and Franklin streets. Court opens at half-
past 10 o'clock.
Rufus B. Cowing, City Judge; John W. Gore, Re-
corder; Joseph E. Newburger, Martin A. McMahon
and Warren W. Fortner, Judges of the Court of Gen-
eral Sessions. Edward R. Carroll, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

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—Elmer B. Hinsdale,
William Travers Jerome, Ephraim A. Jacob, John
R. McKean, William C. Holbrook, William M.
Fitzler, Clerk; John H. Jones, Deputy Clerk.
Clerk's office open from 9 A. M. to 4 P. M.
Second Division—Trial days—Borough Hall, Brook-
lyn, Mondays, Wednesdays and Fridays, at 10 o'clock;
Town Hall, Jamaica, Borough of Queens, Tuesdays, at
10 o'clock; Town Hall, New Brighton, Borough of
Richmond, Thursdays, at 10 o'clock.
Justices—John Courtney, Howard J. Forster,
Patrick Keady, John Fleming, Thomas W. Fitz-
gerald, Joseph L. Kerrigan, Clerk; John J.
Dorman, Deputy Clerk.
Clerk's office, Borough Hall, Borough of Brooklyn,
open from 9 A. M. to 4 P. M.

CITY MAGISTRATES COURTS.
Courts open from 9 A. M. until 4 P. M.
City Magistrates—Hosack A. Beach, Robert C.
Connell, Leroy E. Clarke, Joseph M. Devitt,
Charles A. Flannery, Luke Zelaz, Clarence W.
Meadie, John O. Mott, Joseph Pool, John B. Mayo,
Edward Hoban, Wallace H. Olmsted.

Philip Bloch, Secretary.
First District—Criminal Court Building.
Second District—Jefferson Market.
Third District—No. 60 Essex street.
Fourth District—Fifty-seventh street, near Lexing-
ton avenue.
Fifth District—One Hundred and Twenty-first
street, southeastern corner of Sylvan place.
Sixth District—One Hundred and Fifty-eighth street
and Third avenue.
Seventh District—Fifty-fourth street, west of Eighth
avenue.

Second Division.
Borough of Brooklyn.
First District—No. 318 Adams street. Edward J.
Dooley, Magistrate.
Second District—Court and Butler streets. James
G. Tighe, Magistrate.
Third District—Myrtle and Vanderbilt avenues.
Charles E. Teale, Magistrate.
Fourth District—Nos. 6 and 8 Lee avenue. William
Kramer, Magistrate.
Fifth District—Ewen and Powers streets. Andrew
Leman, Magistrate.
Sixth District—Gates and Reid avenues. Lewis R.
Worth, Magistrate.
Seventh District—No. 31 Great street, Flatbush.
Alfred E. Struss, Magistrate.
Eighth District—Coney Island. Albert Van Brunt
Voornhies, Jr., Magistrate.

Borough of Queens.
First District—Nos. 21 and 23 Jackson avenue,
Long Island City. Matthew J. Smith, Magistrate.
Second District—Flushing, Long Island. Luke J.
Connorton, Magistrate.
Third District—Far Rockaway, Long Island. Ed-
mund J. Healy, Magistrate.

Borough of Richmond.
First District—New Brighton, Staten Island. John
Cogan, Magistrate.
Second District—Stapleton, Staten Island. Nathan-
iel Marsh, Magistrate.
Secretary to the Board, James J. Chambers, No. 318
Adams street, Borough of Brooklyn.

MUNICIPAL COURTS.
BOROUGH OF MANHATTAN.

First District—Third, Fifth and Eighth Wards, and
all that part of the First Ward lying west of Broadway
and Whitehall street, including Governor's Island,
Bedloe's Island, Ellis Island and the Oyster Islands.
New Court-house, No. 108 Prince street, corner of
Wooster street.
Daniel E. Finn, Justice. Frank L. Bacon, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Second District—Second, Fourth, Sixth and Four-
teenth Wards, and all that portion of the First Ward
lying south and east of Broadway and Whitehall street.
Court-room, corner of Grand and Centre streets.
Herbert Bolte, Justice. Francis Mangus, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.
Court opens daily at 10 A. M., and remains open until

daily calendar is disposed of and those of the daily
business, except on Sundays and legal holidays.

Third District—Ninth and Fifteenth Wards. Court-
room, southwest corner Sixth avenue and West Tenth
street. Court open daily (Sundays and legal holidays
excepted) from 9 A. M. to 4 P. M.
Wm. F. Moore, Justice. Daniel Williams, Clerk.

Fourth District—Tenth and Seventeenth Wards.
Court-room, No. 30 First street, under Second avenue.
Court opens 9 A. M. daily, and remains open to close of
business.
Grohna F. Rorsch, Justice. John E. Lynch, Clerk.

Fifth District—Seventh, Eleventh and Thirteenth
Wards. Court-room, No. 124 Clinton street.
Benjamin Hoffman, Justice. Thomas Fitzpatrick,
Clerk.

Sixth District—Eighteenth and Twenty-first Wards.
Court-room, northwest corner Twenty-third street and
Second avenue. Court opens 9 A. M. daily, and con-
tinues open to close of business.
Daniel F. Martin, Justice. Abram Bernard, Clerk.

Seventh District—Nineteenth Ward. Court-room,
No. 123 East Fifty-seventh street. Court opens every
morning at 9 o'clock (except Sundays and legal hol-
idays), and continues open to close of business.
Herbert Joseph, Justice. Patrick McFadden, Clerk.

Eighth District—Sixteenth and Twentieth Wards.
Court-room, northwest corner of Twenty-third street
and Eighth avenue. Court opens at 10 A. M., and con-
tinues open to close of business.
Clerk's office open from 9 A. M. to 4 P. M., each Court
day.

Trial days and Return days, each Court day.
Joseph H. Striner, Justice. Thomas Contigan,
Clerk.

Ninth District—Twelfth Ward, except that portion
thereof which lies west of the centre line of Lenox or
Sixth avenue, and of the Harlem river north of the
terminus of Lenox avenue. Court-room, No. 170 East
One Hundred and Twenty-first street, southeast corner
of Sylvan place. Court opens every morning at 9
o'clock (except Sundays and legal holidays), and con-
tinues open to close of business.
Joseph P. Fallon, Justice. William J. Kennedy,
Clerk.

Clerk's office open daily from 9 A. M. to 4 P. M.

Tenth District—Twenty-second Ward and all that
portion of the Twelfth Ward which is bounded on the
north by the centre line of One Hundred and Tenth
street, on the south by the centre line of Eighty-sixth
street, on the east by the centre line of Sixth avenue,
and on the west by the North river. Court-room, No.
324 West Fifty-fourth street. Court opens daily
(Sundays and legal holidays excepted) from 9 A. M. to 4
P. M.
Thomas E. Murray, Justice. Hugh Grant, Clerk.

Eleventh District—That portion of the Twelfth Ward
which lies north of the centre line of West One Hun-
dred and Tenth street and west of the centre line of
Lenox or Sixth avenue, and of the Harlem river north
of the terminus of Lenox or Sixth avenue. Court-room,
corner of One Hundred and Twenty-sixth street and
Columbus avenue. Court opens daily (Sundays and
legal holidays excepted), from 9 A. M. to 4 P. M.
Francis J. Worchester, Justice. Herman B.
Wilson, Clerk.

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 104 of the Laws of 1895, com-
prising 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, Main street, Westchester Village. Court
opens daily (Sundays and legal holidays excepted) from
9 A. M. to 4 P. M. Trial of causes are Tuesday and
Friday of each week.
William W. Penfield, Justice. John N. Eyreware,
Clerk.

Second District—Twenty-third and Twenty-fourth
Wards. Court-room, corner of Third avenue and One
Hundred and Fifty-eighth street. Office hours from 9
A. M. to 4 P. M. Court opens at 10 A. M.
John M. Tierney, Justice. Howard Sprue, Clerk.

BOROUGH OF BROOKLYN.
First District—Comprising First, Second, Third,
Fourth, Fifth, Sixth, Tenth and Twelfth Wards of the
Borough of Brooklyn. Court-house, northwest corner
State and Court streets.
John J. Walsh, Justice. Edward Moran, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Second District—Seventh, Eighth, Ninth, Eleventh,
Twentieth, Twenty-first, Twenty-second and Twenty-
third Wards. Court-room located at No. 794 Broad-
way, Brooklyn.
George B. Van Wart, Justice. William H. Allen,
Clerk.

Clerk's office open from 9 A. M. to 4 P. M.

Third District—Includes the Thirteenth, Fourteenth,
Fifteenth, Sixteenth, Seventeenth, Eighteenth and
Nineteenth Wards. Court-house, Nos. 5 and 7 Lee
avenue, Brooklyn.
William J. Lynch, Justice. John W. Carpenter,
Clerk.

Clerk's office open from 9 A. M. until 4 P. M. Court
opens at 10 o'clock.

Fourth District—Twenty-fourth, Twenty-fifth,
Twenty-sixth, Twenty-seventh and Twenty-eighth
Wards. Court-room, No. 14 Howard avenue.
Thomas H. Williams, Justice. Herman Gowling-
horst, Clerk; James P. Sincott, Assistant Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

Fifth District—Twenty-ninth, Thirtieth, Thirty-first
and Thirty-second Wards. Court-room on Bath ave-
nue and Bay Twenty-second street, Bath Beach.
Cornelius Ferguson, Justice. Jeremiah J.
O'Leary, Clerk.
Clerk's office open from 9 A. M. to 4 P. M.

BOROUGH OF QUEENS.

First District—First Ward (all of Long Island City,
formerly comprising five Wards). Court-room, Queens
County Court-house (located temporarily).
Thomas C. Kaden, Justice. Thomas F. Kennedy,
Clerk.

Clerk's office open from 9 A. M. to 4 P. M. each week
day. Court held each day, except Saturday.

Second District—Second and Third Wards, which
includes the territory of the late Towns of Newtown
and Flushing. Court-room in Court-house of late Town
of Newtown, corner of Broadway and Court street,
Elmhurst, New York. P. O. address, Elmhurst, New
York.
William Rasquin, Jr., Justice. Henry Walter,
Jr., Clerk.

Clerk's office open from 9 A. M. to 4 P. M.

Third District—James S. McLaughlin, Justice;
George W. Damon, Clerk.
Court-house, Town Hall, Jamaica.
Clerk's office open from 9 A. M. to 4 P. M. Court
held on Mondays, Wednesdays and Fridays, at 10 A. M.

BOROUGH OF RICHMOND.
First District—First and Third Wards (Towns of
Castleton and Northfield). Court-room, former Vil-
lage Hall, Lafayette avenue and Second street, New
Brighton.
John J. Kennedy, Justice. Francis F. Leman, Clerk.
Court office open from 9 A. M. to 4 P. M. Court held
each day, except Saturday, from 10 A. M.

Second District—Second, Fourth and Fifth Wards
(Towns of Middletown, Southfield and Westfield).
Court-room, former Edgewater Village Hall, Staple-
ton.

above mean high water datum, as described:

2. Thence southwesterly to the intersection of Forty-fifth street, the elevation to be 46.5 feet above mean high-water datum, as heretofore.

Resolved, That this Board consider the proposed change of grade of the above-named territory at a meeting of this Board to be held in the office of this Board on the 15th day of June, 1901, at 2 o'clock P. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change of grade of the above-named territory will be considered at a meeting of this Board to be held at the aforesaid time and place, to be published in the City Record and corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 15th day of June, 1901.

Dated New York, May 28, 1901.

JOHN H. MOONEY,
Secretary.

BOARD OF PUBLIC IMPROVEMENTS,
NO. 19 TO 21 PARK ROW, BOROUGH OF MANHATTAN.

NOTICE IS HEREBY GIVEN THAT THE Board of Public Improvements of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade to the following: from Blauk avenue to Belmont avenue, in the Twenty-sixth Ward, Borough of Brooklyn, City of New York, and that a meeting of the said Board will be held in the office of the said Board, at No. 19 to 21 Park row, Borough of Manhattan, on the 15th day of June, 1901, at 2 o'clock P. M., at which such proposed change of grade will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by said Board on the 23d day of May, 1901, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Public Improvements of the City of New York, in pursuance of the provisions of section 436 of chapter 378, Laws of 1897, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade to the following: from Blauk avenue to Belmont avenue, in the Twenty-sixth Ward, Borough of Brooklyn, City of New York, more particularly described as follows:

Beginning at the intersection of Shepherd avenue and Blauk avenue, the elevation to be 23.15 feet above mean high-water datum as heretofore;

1. Thence northerly to the intersection of Sutter avenue, the elevation to be 20.5 feet above mean high-water datum;

2. Thence northerly to a point distant 227 feet from the northern side-line of Sutter avenue, the elevation to be 21.7 feet above mean high-water datum;

3. Thence northerly to the intersection of Belmont avenue, the elevation to be 20.64 feet above mean high-water datum, as heretofore.

All elevations refer to mean high-water datum as established by the Department of Highways, Borough of Brooklyn.

Resolved, That this Board consider the proposed change of grade of the above-named avenue, at a meeting of this Board to be held in the office of this Board on the 15th day of June, 1901, at 2 o'clock P. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change of grade of the above-named avenue will be considered at a meeting of this Board to be held at the aforesaid time and place, to be published in the City Record and corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 15th day of June, 1901.

JOHN H. MOONEY,
Secretary.

BOARD OF PUBLIC IMPROVEMENTS,
NO. 19 TO 21 PARK ROW,
BOROUGH OF MANHATTAN.

NOTICE IS HEREBY GIVEN THAT THE Board of Public Improvements of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by the widening of Vernon avenue, from Freeman avenue to Stanford street, in the First Ward, Borough of Queens, City of New York, and that a meeting of the said Board will be held in the office of the said Board, at No. 19 to 21 Park row, Borough of Manhattan, on the 15th day of June, 1901, at 2 o'clock P. M., at which such proposed change of grade will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by said Board on the 23d day of May, 1901, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Public Improvements of the City of New York, in pursuance of the provisions of section 436 of chapter 378, Laws of 1897, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by the widening of Vernon avenue, from Freeman avenue to Stanford street, in the First Ward, Borough of Queens, City of New York, more particularly described as follows:

1. Vernon avenue to be widened 25 feet on the easterly side thereof, from Freeman avenue to Graham avenue.

2. Vernon avenue, to be widened from Graham avenue to Sanford street in the following manner:

a. The widening on the easterly side to be 25 feet easterly of Graham avenue for a distance of 26.75 feet; from there to be connected with that part of Vernon avenue northeasterly of the angle point by a curve of which the center lies easterly and the length is 137.28 feet.

b. The widening on the westerly side to be 25 feet between the angle point northerly of Graham avenue and the southerly line of Sanford street.

Resolved, That this Board consider the proposed widening of the above-named avenue at a meeting of this Board to be held in the office of this Board on the 15th day of June, 1901, at 2 o'clock P. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed widening of the above-named avenue will be considered at a meeting of this Board to be held at the aforesaid time and place, to be published in the City Record for ten days continuously, Sundays and legal holidays excepted, prior to the 15th day of June, 1901.

JOHN H. MOONEY,
Secretary.

Dated New York, May 28, 1901.

DEPARTMENT OF PARKS.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
BOROUGH OF MANHATTAN, CITY OF NEW YORK,
March 9, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE title of the work and the name of the bidder or bidders indorsed thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth avenue, Central Park, New York City, until 11 o'clock A. M. of

THURSDAY, JUNE 13, 1901,

for the following-named works:

No. 1. FOR FURNISHING MATERIALS AND LAYING WATER-PIPES AND VITRIFIED-PIPE SEWERS AND CONSTRUCTING MANHOLES, ETC., IN THE ZOOLOGICAL GARDEN, IN BRONX PARK, IN THE CITY OF NEW YORK.

No. 2. FOR CONSTRUCTING A CONCRETE DAM AND APPURTENANCES ACROSS THE BRONX RIVER, IN THE ZOOLOGICAL GARDEN, IN BRONX PARK, IN THE CITY OF NEW YORK.

No. 3. FOR CONSTRUCTING A MOTOR ROAD AND EXCAVATING FOR TREE PLANTATIONS IN THE ZOOLOGICAL GARDEN, IN BRONX PARK, IN THE CITY OF NEW YORK.

The plans and specifications for the above works may be seen at the Litchfield Mansion, Claremont Park, Borough of The Bronx.

The time to be allowed for the full completion of each contract and the amount of the security required for the faithful performance of the several works mentioned above are respectively as follows:

Time.	Security.
No. 1. One hundred consecutive working days.	No. 1. \$5,000.00
No. 2. Fifty consecutive working days.	No. 2. 3,000.00
No. 3. Sixty consecutive working days.	No. 3. 4,000.00

Further particulars as to the nature, quantity and quality of the work required will be found in the printed specifications and contracts for the said works.

BIDDERS MUST NAME A PRICE FOR EACH AND EVERY ITEM INCLUDED IN THE SPECIFICATIONS UPON WHICH THESE BIDS ARE BASED, AND ALSO STATE THE TOTAL AMOUNT OF THEIR BIDS FOR EACH CLASS OF SUPPLIES NAMED.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made to the lowest bidder with adequate security as soon thereafter as practicable.

Each 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The Park Board reserves the right to reject all the bids received in response to this advertisement if it should deem it for the interest of the City so to do.

Blank forms of bid or estimate, and also the proper envelopes in which to inclose the same, together with the form of agreement, including specifications, approved as to form by the Corporation Counsel, and showing the manner of payment, can be obtained upon application therefor at the office of the Department, Litchfield Mansion, Claremont Park, Borough of The Bronx, where the plans, which are made a part of the specifications, can be seen.

GEORGE C. CLAUSEN,
GEORGE V. BROWER,
AUGUST MOEBUS,
Commissioners of Parks of The City of New York.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
BOROUGH OF MANHATTAN, CITY OF NEW YORK,
May 24, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE title of the work and the name of the bidder or bidders indorsed thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth avenue, Central Park, New York City, until 11 o'clock A. M. of

THURSDAY, JUNE 13, 1901,

for the following-named works in the Boroughs of Brooklyn and Queens.

No. 1. FOR REPAIRS AND ALTERATIONS TO BUILDINGS NOS. 123 AND 125 FURMAN STREET, BOROUGH OF BROOKLYN.

No. 2. FOR THE ERECTION OF TWO RUSTIC ARBORS IN HIGHLAND PARK, BOROUGH OF BROOKLYN.

No. 3. FOR FURNISHING AND LAYING SEWER PIPE AND CONSTRUCTION OF LATCH-BASINS AND MANHOLES ON OCEAN PARKWAY AND OTHER PARKWAYS IN THE BOROUGH OF BROOKLYN.

No. 4. FOR PAINTING IRON FENCES, STAIRWAYS, BRIDGES, FOUNTAINS AND STATIONARY BENCHES ON PARKS AND PARKWAYS, BOROUGH OF BROOKLYN AND QUEENS.

The plans and specifications for the above work may be seen at the Litchfield Mansion, Prospect Park, Borough of Brooklyn.

The time to be allowed for the full completion of each contract and the amount of the security required for the faithful performance of the contracts mentioned above are respectively as follows:

Time.	Security.
1. Thirty consecutive working days.	1. Six Hundred Dollars.
2. Thirty consecutive working days.	2. Five Hundred Dollars.
3. Thirty consecutive working days.	3. Two Thousand Dollars.
4. Fifty consecutive working days.	4. Two Thousand Five Hundred Dollars.

The contracts must be bid for separately.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The Park Board reserves the right to reject all the bids for each contract if it should deem it for the interest of the City so to do.

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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The Park Board reserves the right to reject all the bids for each contract if it should deem it for the interest of the City so to do.

Blank forms of bid or estimate, and also the proper envelopes in which to inclose the same, together with the form of agreement, including specifications, approved as to form by the Corporation Counsel, and showing the manner of payment, can be obtained upon application therefor at the office of the Department, Litchfield Mansion, Prospect Park, Borough of Brooklyn, where the plans, which are made a part of the specifications, can be seen.

GEORGE C. CLAUSEN,
GEORGE V. BROWER,
AUGUST MOEBUS,
Commissioners of Parks of The City of New York.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
BOROUGH OF MANHATTAN, CITY OF NEW YORK,
May 24, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE title of the work and the name of the bidder or bidders indorsed thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth avenue, Central Park, New York City, until 11 o'clock A. M. of

THURSDAY, JUNE 6, 1901,

FOR FURNISHING AND DELIVERING MARCELLUS SHALE SANDSTONE SCREENINGS, OR ITS EQUIVALENT, WHERE REQUIRED, ON THE OCEAN AND EASTERN PARKWAY IN THE BOROUGH OF BROOKLYN.

The specifications for the above work may be seen at the Litchfield Mansion, Prospect Park, Borough of Brooklyn.

Bidders will be required to submit a sample of the shale they propose to furnish at the Park office, Litchfield Mansion, Prospect Park, Brooklyn, prior to the day of opening the bids, which sample is to be acceptable to the landscape architect and the Engineer of the Department of Parks, of the Boroughs of Brooklyn and Queens.

The time to be allowed for the full completion of the contract and the amount of the security required for the faithful performance of the work mentioned above is as follows:

Time—As required during 1901.
Security—Three Thousand Five Hundred Dollars.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made to the lowest bidder with adequate security as soon thereafter as practicable.

Each 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The Park Board reserves the right to reject all the bids received in response to this advertisement if it should deem it for the interest of the City so to do.

Blank forms of bid or estimate, and also the proper envelopes in which to inclose the same, together with the form of agreement, including specifications, approved as to form by the Corporation Counsel, and showing the manner of payment, can be obtained upon application therefor at the office of the Department, Litchfield Mansion, Prospect Park, Borough of Brooklyn, where the plans, which are made a part of the specifications, can be seen.

GEORGE C. CLAUSEN,
GEORGE V. BROWER,
AUGUST MOEBUS,
Commissioners of Parks of The City of New York.

DEPARTMENT OF PARKS,
ARSENAL, CENTRAL PARK,
BOROUGH OF MANHATTAN, CITY OF NEW YORK,
May 24, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE title of the work and the name of the bidder or bidders indorsed thereon, will be received by the Park Board, at its office, Arsenal Building, Sixty-fourth street and Fifth avenue, Central Park, New York City, until 11 o'clock A. M. of

THURSDAY, JUNE 13, 1901,

FOR CONTRACT NO. 1. FOR THE NEW YORK PUBLIC LIBRARY, ASTOR, LENOX AND TILDEN FOUNDATIONS, AT FIFTH AVENUE, FORTIETH AND FORTY-SECOND STREETS, IN THE BOROUGH OF MANHATTAN, CITY OF NEW YORK, FOR THE COMPLETE ERECTION OF THE BUILD-

ING, AS DESCRIBED IN THE SPECIFICATIONS AND SHOWN ON THE PLANS ENCASED IN CONTRACT NO. 3.

The bids will be opened by the head of the said Department and submitted to the Board of Estimate and Apportionment, who may select such bid or bids, proposal or proposals, the acceptance of which will, in their judgment, best secure the efficient performance of the work.

The Board of Estimate and Apportionment may reject any or all of said bids and direct a re-advertisement.

The time allowed for the completion of the whole work will be three years.

The amount of security required is Five Hundred Thousand Dollars.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The Park Board reserves the right to reject all the bids for each contract if it should deem it for the interest of the City so to do.

Blank forms of bid or estimate, and also the proper envelopes in which to inclose the same, together with the form of agreement, including specifications, in the form approved by the Corporation Counsel, and showing the manner of payment, can be obtained upon application therefor at the office of the Department, Arsenal, Central Park, Borough of Manhattan, where the plans, which are made a part of the specifications, can be seen.

GEORGE C. CLAUSEN,
GEORGE V. BROWER,
AUGUST MOEBUS,

Commissioners of Parks of The City of New York.

SUPREME COURT.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality 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 purpose of opening EAST ONE HUNDRED AND THIRTY-FIFTH STREET (although not yet named by proper authority), from Third Avenue to East One Hundred and Thirty-Fifth Street, in the Twenty-third Ward of The 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 15th day of June, 1901, at 10.30 o'clock in the 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 title 4 of chapter 27 of the Laws of the City of New York.

Dated Borough of Manhattan, New York, May 24, 1901.

S. GOLDENKRANZ,
WILLIAM M. LAWRENCE,

John P. Dunn,
Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality 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 purpose of opening BAINBRIDGE AVENUE (although not yet named by proper authority), from Kingsbridge Road to the Southern Boulevard, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The 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 15th day of June, 1901, at 10.30 o'clock in the 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 title 4 of chapter 27 of the Laws of the City of New York.

Dated Borough of Manhattan, New York, May 24, 1901.

OBED H. SANDERSON,
EDWARD S. KAUFMAN,

John P. Dunn,
Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality 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 purpose of opening BECK STREET OR EAST ONE HUNDRED AND FIFTY-FIRST STREET (although not yet named by proper authority), from Robbins Avenue to Prospect Avenue, in the Twenty-third Ward of The City of New York, as the same has been heretofore laid out and designated as a first-class street or road.

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, Nos. 92 and 94 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 10th day of June, 1901, 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 June, 1901, at 1.30 o'clock P. M.

Second—That the abstract 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 our report, have been deposited in the Bureau of Street Openings of the Law Department of The City of New York, Nos. 92 and 94 West Broadway, in the Borough of Manhattan, in said city, there to remain until the 10th day of June, 1901.

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 The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

On the north by the southerly side of Kelly Street or East One Hundred and Fifty-second Street and said southerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Kelly Street or East One Hundred and Fifty-second Street and distant 100 feet northerly from the northerly side thereof from a point on a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof to a point midway between Wales Avenue and Beach Avenue; on the east by a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof; on the south by the northerly side of Fox Street or East One Hundred and Fifty-fifth Street and said northerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Fox Street or East One Hundred and Fifty-fifth Street and distant 100 feet southerly from the southerly

side thereof from a point on a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof to a point midway between Wales Avenue and Beach Avenue; and on the west by a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof; excepting from said area all streets, avenues and roads, or portions thereof, heretofore legally opened, as such area is shown on our benefit maps deposited as aforesaid.

Fourth—That our supplemental and amended report herein will be presented 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 15th day of June, 1901, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated Borough of Manhattan, New York, April 16, 1901.

ERNEST HALL, Chairman,
HENRY ALLEN,

John P. Dunn,
Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality 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 purpose of opening FOX STREET OR EAST ONE HUNDRED AND FIFTY-FIFTH STREET (although not yet named by proper authority), from Robbins Avenue to Prospect Avenue, in the Twenty-third Ward of The City of New York, as the same has been heretofore laid out and designated as a first-class street or road.

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, Nos. 92 and 94 West Broadway, in the Borough of Manhattan, in The City of New York, on or before the 10th day of June, 1901, 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 June, 1901, at 1.30 o'clock P. M.

Second—That the abstract 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 our report, have been deposited in the Bureau of Street Openings of the Law Department of The City of New York, Nos. 92 and 94 West Broadway, in the Borough of Manhattan, in said city, there to remain until the 10th day of June, 1901.

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 The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

On the north by the southerly side of Kelly Street or East One Hundred and Fifty-second Street and said southerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Kelly Street or East One Hundred and Fifty-second Street and distant 100 feet northerly from the northerly side thereof from a point on a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof to a point midway between Wales Avenue and Beach Avenue; on the east by a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof; on the south by the northerly side of Fox Street or East One Hundred and Fifty-fifth Street and said northerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Fox Street or East One Hundred and Fifty-fifth Street and distant 100 feet southerly from the southerly

side thereof from a point on a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof to a point midway between Wales Avenue and Beach Avenue; on the east by a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof; on the south by the northerly side of Fox Street or East One Hundred and Fifty-fifth Street and said northerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Fox Street or East One Hundred and Fifty-fifth Street and distant 100 feet southerly from the southerly

side thereof from a point on a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof to a point midway between Wales Avenue and Beach Avenue; on the east by a line drawn parallel to Prospect Avenue and distant 100 feet easterly from the easterly side thereof; on the south by the northerly side of Fox Street or East One Hundred and Fifty-fifth Street and said northerly side produced from a point on a line drawn parallel to Robbins Avenue and distant 100 feet westerly from the westerly side thereof to a point midway between Wales Avenue and Beach Avenue; thence by a line drawn parallel to Fox Street or East One Hundred and Fifty-fifth Street and distant 100 feet southerly from the southerly

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ing our estimate of damage, have been deposited in the office of the Department of Parks of The City of New York, the Arsenal, Central Park, in the Borough of Manhattan, in said city, there to remain until the 15th day of June, 1901.

Third—That our report herein will be presented 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 15th day of June, 1901, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated Borough of Manhattan, New York, April 1, 1901.

G. M. SPEIR, Chairman,
SAMUEL MCILLAN,
ALBERT SANDERS,

John P. Dunn,
Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality 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 purpose of opening ARTHUR AVENUE (although not yet named by proper authority), from Transit Avenue to Pellam Avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The 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, up to and including the 10th day of April, 1901, 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 15th day of June, 1901, at 10.30 o'clock in the 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 title 4 of chapter 27 of the Laws of the City of New York.

Dated Borough of Manhattan, New York, May 16, 1901.

SAMUEL H. ORDWAY,
JOHN J. QUINNAN,
WILLIAM M. LAWRENCE,

John P. Dunn,
Clerk.

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION,
CORNER PARK AVENUE AND FIFTY-NINTH STREET,
BOROUGH OF MANHATTAN, CITY OF NEW YORK.

PROPOSALS FOR BIDS OR ESTIMATES.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the Committee on Buildings of the Board of Education of The City of New York, at the Hall of the Board, southwest corner of Park Avenue and Fifty-ninth Street, Borough of Manhattan, until 4 o'clock P. M., on

MONDAY, JUNE 10, 1901.

Borough of Manhattan.

No. 1. FOR ALTERATIONS, REPAIRS, ETC., PUBLIC SCHOOLS 2, 7, 12, 15, 21, 26, 27, 29, 37, 47, 48, 51, 52, 114, 115, 120, AND ANNEX TO WADLEIGH HIGH SCHOOL, BOROUGH OF MANHATTAN.

No. 2. FOR IMPROVING SANITARY CONDITION OF PUBLIC SCHOOLS 43, 44, 45, 46 AND 54, BOROUGH OF MANHATTAN.

The time to complete the whole work mentioned under Contract No. 1 is sixty (60) days.

The time to complete the work mentioned under No. 2 is sixty (60) days.

The security required for the several jobs under No. 1 is as follows:

Seven Hundred (700) Dollars on Public School 2; Sixteen Hundred (1,600) Dollars on Public School 7; Thirteen Hundred (1,300) Dollars on Public School 12; Twelve Hundred (1,200) Dollars on Public School 15; Five Hundred (500) Dollars on Public School 21; Seven Hundred (700) Dollars on Public School 26; Seven Hundred (700) Dollars on Public School 27; Thirteen Hundred (1,300) Dollars on Public School 29; Seven Hundred (700) Dollars on Public School 37; Seven Hundred (700) Dollars on Public School 47; Eight Hundred (800) Dollars on Public School 48; Five Hundred (500) Dollars on Public School 51; Eight Hundred (800) Dollars on Public School 52; Five Hundred (500) Dollars on Public School 114; Five Hundred (500) Dollars on Public School 115; Nine Hundred (900) Dollars on Public School 120; Eight Hundred (800) Dollars on Public School 120, and One Thousand Four Hundred (1,400) Dollars on Annex to Wadleigh High School.

The security required for the several jobs under No. 2 is as follows:

Eight Hundred (800) Dollars on Public School 43 and Five Hundred (500) Dollars each on Public Schools 44, 45, 46 and 54.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the Committee on Buildings of said Department, at the said office, on or before the date and hour above named, and which time and place the estimates received will be publicly opened by the Committee on Buildings and read, and the award of the contract made to the lowest bidder, according to law.

Each 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 that no officer of The City of New York is directly or indirectly interested therein, as provided in sections 346 to 352 of the Revised Ordinances, (897, and in the blank form of bid mentioned below and furnished by the Department.

The estimate must be verified.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check or money to the amount of five per centum of the amount of the bond required, as provided in section 426 of the Greater New York Charter.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Committee on Buildings, a copy of which, and also the proper envelope in which to inclose the same, together with the form of agreement, including specifications, in the form approved by the Corporation Counsel, and showing the manner of payment for the work,

can be obtained upon application therefor at the estimating room, eighth floor, Hall of the Board of Education, corner of Park Avenue and Fifty-ninth Street, Borough of Manhattan.

The By-Laws of the Board of Education may be examined at the office of the Secretary.

Dated Borough of Manhattan, May 29, 1901.

RICHARD H. ADAMS,
CHARLES E. ROBERTSON,

ABRAHAM STERN,
WILLIAM J. COLE,
PATRICK J. WHITE,
JOHN R. THOMPSON,
JOSEPH J. KITTEL,

Committee on Buildings.

Those who have not answered as to their liability as proved permanent exemption will receive a "jury enrollment notice" requiring them to appear before me this year. Whether liable or not, such notice must be answered in person and at this office only, under penalty of contempt. If exempt, he must also answer in person, giving full and correct name, residence, etc., etc. No attention paid to letters.

All good citizens will aid the course of justice and secure reliable and respectable juries and equalize their duty by serving promptly when summoned, allowing their clerks or subordinates to serve, reporting to me any attempt at bribery or evasion, and suggesting names for enrollment. Persons between twenty-one and seventy years of age, Summer absentees, persons temporarily ill, United States and Special Jurors are not exempt.

Every man must attend to his own notice. It is a misdemeanor to give any jury paper to another to answer. It is also punishable by fine or imprisonment to give or receive any present or bribe, directly or indirectly, in relation to a jury service, or to withhold any paper or make any false statement, and every case will be fully prosecuted.

CHARLES WELDE,
Commissioner of Jurors,
County of New York.

DEPARTMENT OF HIGHWAYS.

CITY OF NEW YORK,
DEPARTMENT OF HIGHWAYS, COMMISSIONER'S OFFICE,
BOROUGH OF MANHATTAN, May 21, 1901.

NOTICE OF SALE AT PUBLIC AUCTION.

ON THURSDAY, JUNE 6, 1901, AT 11 O'CLOCK A. M., the Department of Highways will sell at public auction, by Philip A. Smyth, Auctioneer, the following buildings, parts of buildings, fences, etc., within the lines of Audubon avenue, from One Hundred and Seventy-fifth street to Fort George avenue, Borough of Manhattan:

No. 1. One (1) story frame building, used at present as paint shop, and situated about 287 feet north of the north house-line of One Hundred and Seventy-fifth street; approximate dimensions, 18 by 25 feet.

No. 2. One (1) story frame building, used as carpenter shop, situated about 312 feet north of the north house-line of One Hundred and Seventy-fifth street; approximate dimensions, 19 by 25 feet.

No. 3. One (1) story brick building, situated about 155 feet south of the south house-line of One Hundred and Seventy-fifth street; approximate dimensions, 60 by 7 feet.

No. 4. Two (2) story brick building, used as stable, situated about 35 feet south of the south house-line of One Hundred and Seventy-fifth street; approximate dimensions, 75 feet by 25 feet, together with wagon shed adjoining, said wagon shed being one (1) story frame building, and of the approximate dimensions, 22 by 4 feet.

No. 5. One (1) story frame building, situated about 32 feet south of the south house-line of One Hundred and Seventy-fifth street; approximate dimensions, 14 by 20 feet.

TERMS OF SALE.

The sale will begin with and in front of Building No. 1, and will continue in the order enumerated. Only those parts of any building standing within the limits of the street as acquired by the City and shown on the maps will be sold.

The buildings, fences, etc., must be removed by the purchasers within twenty days after the date of sale. If this condition is not complied with the purchase-money and ownership of the buildings, etc., purchased will be forfeited and the Commissioner of Highways, at the expiration of that time, may enter and remove the buildings and structures or cause a resale thereof.

Purchasers will be liable for any and all damage of any kind whatsoever by reason of the occupancy or removal of said buildings, etc.

Purchase money must be paid in bankable funds at the time and place of sale.

JAMES P. KEATING,
Commissioner of Highways.

DEPARTMENT OF HIGHWAYS,
COMMISSIONER'S OFFICE, Nos. 13 to 21 PARK ROW,
NEW YORK, May 16, 1901.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder inclosed thereon, also the number of the work as in the advertisement, will be received at No. 21 Park Row, in Room No. 2101, until 11 o'clock, on

TUESDAY, JUNE 4, 1901.

at which time and place the bids or estimates received will be publicly opened by the head of the Department.

Borough of Brooklyn.

No. 1. FOR REGULATING, GRADING AND PAVING WITH GRANITE-BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY AT THE FOOT OF GRAND STREET.

The quantity and quality of work to be done is as follows:
2,500 square yards of new granite-block pavement, including sand bed, laid with paving cement joints.

20 square yards of old stone-block pavement to be relaid in approaches.

470 cubic yards of concrete.

1,150 square feet of new bridgestone furnished and laid.

419 square feet of old bridgestone redressed, re-jointed and reset.

387 linear feet of new curbstone furnished and set.

60 linear feet of old curbstone redressed, re-jointed and reset.

1,050 cubic yards of excavation.

75 cubic yards of filling, exclusive of that secured from excavation.

The security required will be Three Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be thirty-five consecutive working days.

The attention of bidders is particularly called to the requirements of the specifications on all the following contracts for paving with asphalt: that bidders shall deposit with the Commissioner of Highways, four (4) full days (holidays and Sundays excluded) before the date on which bids are to be opened, as stated in this advertisement, samples of all materials to be used. Samples, as deposited, and certificates, etc., to be in strict accordance with the requirements of specifications.

No. 2. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF THAIFFORD AVENUE, from Liberty avenue to Riverdale avenue.

The quantity and quality of work to be done is as follows:

17,300 cubic yards of earth excavation.

15,470 square yards of asphalt pavement, including binder course.

1,874 cubic yards of concrete.

7,333 linear feet of cement curb furnished and set.

20 linear feet of old curbstone redressed, re-jointed and reset.

55,870 square feet of cement sidewalk furnished and laid.

4,200 square feet of old flagstone retrenched and relaid.

The security required will be Twenty Thousand Dollars.

The time allowed for the completion of the whole work will be sixty (60) consecutive working days.

No. 3. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF CHAUNCEY STREET, from Rockaway avenue to Broadway.

The quantity and quality of work to be done is as follows:

371 cubic yards of earth excavation.

1,580 square yards of asphalt pavement, including binder course.

220 cubic yards of concrete.

621 linear feet of cement curb furnished and set.

10 linear feet of old curbstone redressed, re-jointed and reset.

4,275 square feet of new flagstone furnished and laid.

80 square feet of old flagstone retrenched and relaid.

The security required will be Two Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be thirty consecutive working days.

No. 4. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF STANHOPE STREET, from Wyckoff avenue to St. Nicholas avenue.

The quantity and quality of work to be done is as follows:

618 cubic yards of earth excavation.

1,605 square yards of asphalt pavement, including binder course.

284 cubic yards of concrete.

953 linear feet of new cement concrete curbstone furnished and set.

10 linear feet of old curbstone redressed, re-jointed and reset.

5,673 square feet of new flagstone furnished and laid.

1,000 square feet of old flagstone retrenched and relaid.

The security required will be Two Thousand Dollars.

The time allowed for the completion of the whole work will be thirty consecutive working days.

No. 5. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF PARK PLACE, from Albany avenue to Troy avenue.

The quantity and quality of work to be done is as follows:

805 cubic yards of earth excavation.

2,713 square yards of asphalt pavement, including binder course.

375 cubic yards of concrete.

1,370 linear feet of cement curb furnished and set.

5,505 square feet of new flagstone furnished and laid.

315 square feet of old flagstone retrenched and relaid.

The security required will be Three Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be thirty consecutive working days.

No. 6. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF HUMBOLDT STREET, from Meeker avenue to Kingsway avenue.

The quantity and quality of work to be done is as follows:

388 cubic yards of earth excavation.

2,743 square yards of asphalt pavement, including binder course.

301 cubic yards of concrete.

750 linear feet of cement curb furnished and set.

10 linear feet of old curbstone redressed, re-jointed and reset.

The security required will be Two Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be thirty consecutive working days.

No. 7. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF OSBORN STREET, from Blake avenue to Livonia avenue.

The quantity and quality of work to be done is as follows:

4,583 cubic yards of earth excavation.

3,873 square yards of asphalt pavement, including binder course.

358 cubic yards of concrete.

2,102 linear feet of new cement curb furnished and set.

10,800 square feet of new flagstone furnished and laid.

The security required will be Six Thousand Dollars.

The time allowed for the completion of the whole work will be forty consecutive working days.

No. 8. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF VERMONT STREET, from Pitkin avenue to a point 75 feet south of Belmont avenue.

The quantity and quality of work to be done is as follows:

658 cubic yards of earth excavation.

9,209 square yards of asphalt pavement, including binder course.

326 cubic yards of concrete.

1,080 linear feet of cement curb furnished and set.

The security required will be Two Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be thirty consecutive working days.

No. 9. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF HAWTHORNE STREET, from Flatbush avenue to Rogers avenue.

The quantity and quality of work to be done is as follows:

937 cubic yards of earth excavation.

3,468 cubic yards of filling to be furnished (exclusive of that secured from excavation).

5,873 square yards of asphalt pavement, including binder course.

927 cubic yards of concrete.

3,080 linear feet of cement curb furnished and set.

10 linear feet of old curbstone redressed, re-jointed and reset.

10,105 square feet of new flagstone furnished and laid.

5,804 square feet of old flagstone retrenched and relaid.

The security required will be Ten Thousand Dollars.

The time allowed for the completion of the whole work will be forty-five consecutive working days.

Borough of Manhattan.

No. 10. FOR REGULATING, GRADING, CURRING, FLAGGING AND PAVING WITH GRANITE-BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF EAST FORTY-FIRST STREET, from First avenue to East river.

The quantity and quality of work to be done is as follows:

4,380 cubic yards of earth excavation.

150 cubic yards of rock excavation.

330 cubic yards of concrete for foundation for paving and curbing.

1,040 linear feet of new curbstone on concrete foundation furnished and set.

4,180 square feet of new flagstone furnished and laid.

1,714 square yards of granite-block pavement, including sand bed, laid with paving cement joints.

The security required will be Three Thousand Dollars.

The time allowed for the completion of the whole work will be fifty consecutive working days.

The attention of bidders is called to the clause in the specifications requiring the depositing with the Department of Highways samples of materials proposed to be furnished, four (4) full days in advance of the opening of bids (holidays and Sundays excluded).

No. 11. FOR PAVING WITH GRANITE-BLOCK PAVEMENT ON CONCRETE FOUNDATION OF ABOUT 105 FEET OF UNPAVED CARRIAGEWAY AT THE FOOT OF EAST ONE HUNDRED AND SEVENTEENTH STREET.

The quantity and quality of work to be done is as follows:

375 square yards of new granite-block pavement, including sand bed, laid with paving cement joints.

10 square yards of old stone-block pavement to be relaid in approaches. (Not to be bid for.)

62½ cubic yards of concrete.

20 square feet of new bridgestone to be furnished and laid. (Not to be bid for.)

250 linear feet of new curbstone furnished and set.

2,000 square feet of plank to be removed. (Not to be bid for.)

The security required will be Three Hundred Dollars.

The time allowed for the completion of the whole work will be twenty consecutive working days.

The attention of bidders is called to the clause in the specifications requiring the depositing with the Department of Highways samples of materials proposed to be furnished, four (4) full days in advance of the opening of bids (holidays and Sundays being excluded).

No. 12. FOR PAVING WITH GRANITE-BLOCK PAVEMENT ON CONCRETE FOUNDATION THE ROADWAY OF ONE HUNDRED AND THIRTY-FIRST STREET, from Amsterdam to Convent avenue.

The quantity and quality of work to be done is as follows:

1,927½ square yards of new granite-block pavement, including sand bed, and laid with paving cement joints.

163 cubic yards of concrete.

150 linear feet of new curbstone furnished and set.

400 linear feet of old curbstone redressed, re-jointed and reset.

The security required will be One Thousand Two Hundred Dollars.

The time allowed for the completion of the whole work will be twenty consecutive working days.

The attention of bidders is called to the clause in the specifications requiring the depositing with the Department of Highways samples of materials proposed to be furnished, four (4) full days in advance of the opening of bids (holidays and Sundays being excluded).

Borough of The Bronx.

No. 13. FOR REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS AND PLACING FENCES IN EAST ONE HUNDRED AND SEVENTY-FIRST STREET, from Fulton avenue to Park avenue.

The quantity and quality of work to be done is as follows:

5,400 cubic yards of earth excavation.

1,700 cubic yards of rock excavation.

500 cubic yards of filling.

50 cubic yards of dry rubble masonry in retaining walls, culverts and gutters.

1,305 linear feet of new curbstone furnished and set.

320 linear feet of old curbstone taken up, reset, re-jointed and reset. (Cost to be included in price bid for new curb.)

6,120 square feet of new flagging furnished and laid.

320 square feet of new bridgestone for crosswalks furnished and laid.

The security required will be Two Thousand Five Hundred Dollars.

The time allowed for the completion of the whole work will be sixty consecutive working days.

No. 14. FOR PAVING WITH GRANITE-BLOCK PAVEMENT ON SAND FOUNDATION THE CARRIAGEWAY OF EAST ONE HUNDRED AND FIFTY-SIXTH STREET, from St. Ann's avenue to Prospect avenue.

The quantity and quality of work to be done is as follows:

3,750 linear feet of old curbstone taken up, redressed and reset.

7,450 square yards of granite pavement on sand foundation.

250 square feet of new flagging furnished and laid. (Not to be bid for.)

The security required will be Five Thousand Dollars.

The time allowed for the completion of the whole work will be sixty consecutive working days.

Each bid or estimate shall contain the name and place of residence of each of the persons making the same, the name of all persons interested with him or them 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies of work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check or money to the amount of five per centum of the amount of the bond required, as required in section 420 of the Greater New York Charter.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans. The work and the materials must conform in every respect to such printed specifications and plans. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required for making their estimate.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

THE COMMISSIONER OF HIGHWAYS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY SO TO DO.

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 the copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained on application therefor at the office of the Commissioner of Highways, Room No. 1030, where the plans and drawings, which are made a part of the specifications, can be seen.

JAMES P. KEATING,
Commissioner of Highways.

FIRE DEPARTMENT.

HEADQUARTERS, FIRE DEPARTMENT,
Nos. 127 and 129 EAST SEVENTY-SEVENTH STREET,
BOROUGH OF MANHATTAN,
CITY OF NEW YORK, May 29, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at the above office of the Fire Department, New York City, until 10:30 o'clock A. M. of

WEDNESDAY, JUNE 13, 1901.

for the following-named supplies:

Boroughs of Manhattan and The Bronx.

FOR FURNISHING 1,500 TONS OF ANTHRACITE COAL, ONE THOUSAND TWO HUNDRED (1,200) TONS OF 2,000 POUNDS OF EGG SIZE; AND THREE HUNDRED (300) TONS OF 4,000 POUNDS OF STOVE SIZE, AS PER SPECIFICATIONS FURNISHED BY THE FIRE DEPARTMENT.

The coal is to be delivered at such time or times as may be directed or required by the Purchasing Agent of the Fire Department, prior to the first day of January, 1902.

The amount of security required is Three Thousand Five Hundred (\$3,500) Dollars.

The person or persons making an estimate shall furnish the same in a sealed envelope, inclosed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made to the lowest bidder with adequate security as soon thereafter as practicable.

Each estimate shall contain and state the names and places of residence of each of the persons 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check 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 Fire Commissioner reserves the right to reject all bids if he should deem it for the interest of the City so to do.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Commissioner, a copy of which, and also the proper envelope in which to inclose the same, together with the form of agreement, including specifications, in the form approved by the Corporation Counsel, and showing the manner of payment for the work, can be obtained upon application therefor at the Headquarters office of the Fire Department, in the Borough of Manhattan, New York City.

JOHN J. SCANNELL,
Fire Commissioner.

DEPARTMENT OF WATER SUPPLY.

DEPARTMENT OF WATER SUPPLY,
COMMISSIONER'S OFFICE,
No. 21 PARK ROW,
NEW YORK, May 15, 1901.

BIDS OR ESTIMATES, INCLOSE

Borough of Brooklyn.

No. 6. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS IN BEDFORD, HOWARD, HOOVER, MEER, GELSTON, OCEAN, FLATLANDS, SARATOGA, ST. MARK'S, SEVENTH AND EIGHTH AVENUES; IN AVENUE S. T. AND V. IN DEGRAU, ECKFORD, ENGERT, HALSEY, HOPKINSON, PACIFIC, SUYDAM, EAST TWELFTH, EAST THIRTEENTH, EAST FOURTEENTH, EAST FIFTEENTH, EAST SIXTEENTH, EAST SEVENTEENTH, EAST EIGHTEENTH, EAST NINETEENTH, FORTY-SECOND, FORTY-THIRD, FORTY-FOURTH, FORTY-FIFTH, SIXTIETH, SEVENTY-SECOND, SEVENTY-THIRD, SEVENTY-FIFTH, SEVENTY-NINTH, SIXTY-THIRD, AND EAST NINETEENTH STREETS; IN PROSPECT, ST. JOHN'S, ST. FRANCIS AND ST. CHARLES PLACES; AND IN OCEAN PARKWAY AND CONNECTING DEAD ENDS AT JUDGE AND POWERS STREETS, TEN EYCK AND WATERBURY STREETS, STONE AVENUE, AND HEKIMER STREET, PROSPECT PLACE AND UTICA AVENUE, PROSPECT PLACE AND TROY AVENUE, PARK PLACE AND TROY AVENUE, BUTLER STREET AND TROY AVENUE, BUTLER STREET AND BROOKLYN AVENUE, DEGRAU STREET AND ROGERS AVENUE, JACKSON PLACE AND SIXTEENTH STREET, WEBSTER PLACE AND SIXTEENTH STREET, FIFTY-SECOND STREET AND SECOND AVENUE, FIFTIETH STREET AND THIRD AVENUE, KINGSLAND AND MEER AVENUES, AND AT FIFTY-FIRST STREET, ACROSS SEVENTH AVENUE.

The time allowed to complete the whole work will be two hundred and fifty days.

The amount of security required is Thirty Thousand Dollars.

Borough of Queens.

No. 7. FOR FURNISHING, DELIVERING AND LAYING WATER MAINS IN DEBEVOISE, WEBSTER, WARBURTON AND BELL AVENUES; IN ACADEMY, BUHNE, BLACKWELL, POMEROY, RIDGE, HAMILTON, STEVENS AND FIFTEENTH STREETS; IN PARK PLACE AND IN LITTLE NECK ROAD.

The time allowed to complete the whole work will be two hundred days.

The amount of security required is Ten Thousand Dollars.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each estimate shall contain the name and place of residence of each of the persons making the same, the names of all persons interested with him therein, and that no officer of The City of New York is directly or indirectly interested therein, as provided in sections 246 to 252 of the Revised Ordinances, City and in the blank form of bid mentioned below and furnished by the Department. The estimate must be verified.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check 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.

For particulars as to the quantity and quality of the supplies or the nature and extent of the work required or of the materials to be furnished, bidders are referred to the printed specifications and the plans.

The award of the contract will be made as soon as practicable after the opening of the bids.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

The Commissioner of Water Supply reserves the right to reject all bids received if he deems it for the best interests of the City so to do.

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 Council, can be obtained upon application thereat at the office of the Commissioner of Water Supply, Room 101, where the plans and drawings, which are made a part of the specifications, can be seen.

WILLIAM DALTON,
Commissioner of Water Supply.

OFFICIAL PAPERS.

MORNING—"MORNING JOURNAL," "TELEGRAPH."
Evening—"Daily News," "Commercial Advertiser," "Weekly," "Weekly Union."
Semi-weekly—"Herald Local Reporter."
German—"Morgen Journal."

WILLIAM A. BUTLER,
Supervisor, City Record.

SEPTEMBER 6, 1900.

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES,
BOROUGH OF MANHATTAN AND THE BOROUGH,
FOOT OF EAST TWENTY-SIXTH STREET,
NEW YORK, MAY 24, 1901.

AUCTION SALE.

THE UNDERSIGNED WILL SELL AT PUBLIC AUCTION, at office, foot of East Twenty-sixth street, at 11 A.M., the following, viz:

Bones (estimated), 6,000 pounds.
To be collected and removed from Blackwell's Island and Bellevue Hospital three times a week.

Quantities marked "estimated" are for the accumulation of year 1901, and contracts based on such quantities are for such period of time.

All quantities to be more or less and estimated only. All quantities to be "as are."

Assignments of contracts will not be recognized unless approved by the Commissioners.

Each successful bidder will be required to pay twenty-five per cent of the estimated amount of his purchase to me at the time and place of sale, and the balance to the General Storekeeper at Blackwell's Island in cash or a certified check, on a New York City bank, upon delivery of the goods.

The Commissioners reserve the right to order resale of any goods that shall NOT have been removed by the purchaser within TEN days after he shall have been notified that they are ready, and in case of such resale

to forfeit to the use of the Department of Public Charities the TWENTY-FIVE PER CENT, paid in at the time and place of sale. Goods can be examined at Blackwell's Island by intending bidders on any week day before the day of sale.

JOHN W. KELLER,
Commissioner of Public Charities for the boroughs of Manhattan and The Bronx.

MUNICIPAL ASSEMBLY.

PUBLIC NOTICE.

AN ORDINANCE GRANTING TO THE WEST TENTH STREET CONNECTING RAILWAY COMPANY THE RIGHT OR FRANCHISE TO CONSTRUCT AND OPERATE A STREET SURFACE RAILROAD IN, UPON AND ALONG CERTAIN STREETS, AVENUES, PARKWAYS AND HIGHWAYS IN THE CITY OF NEW YORK.

Be it Ordained by the Municipal Assembly of The City of New York, as follows:

WHEREAS, THE WEST TENTH STREET Connecting Railway Company has duly presented to the Municipal Assembly of The City of New York, by presenting and filing with each house thereof, its application, in writing, for a grant of the franchise or right to use the streets, avenues, parkways and highways in The City of New York hereinafter mentioned, for the construction, maintenance and operation of a single-track street surface railroad in or upon the surface of the same; and

Whereas, The said Municipal Assembly, by resolution adopted March 20, 1900, approved by his Honor the Mayor of said city on March 25, 1900, gave public notice of such application, and that at the Council Chamber, in the City Hall, in The City of New York, on the 16th day of April, 1900, at 2:30 o'clock in the afternoon, such application of said railway company was first considered and a public hearing had thereon, which notice was published daily for at least fifteen (15) days successively prior to the hearing, in two daily papers published in The City of New York, viz., in the "New York Press" and in the "New York Journal and Advertiser," which papers were first designated, in writing, by his Honor the Mayor of said city, on March 25, 1900; and

Whereas, After public notice given as aforesaid and a public hearing duly held in pursuance of such notice, wherever all persons so desiring were given an opportunity to be heard and were heard, such application was first considered by the Railroad Committee of both houses of said Municipal Assembly;

Section 1. The Municipal Assembly of The City of New York hereby grants to the West Tenth Street Connecting Railway Company, subject to the conditions and provisions hereinafter set forth, the right and franchise to use the streets, avenues, parkways and highways of the said city, and to construct, maintain and operate a single-track street surface railroad in and upon the following streets, avenues, parkways and highways, viz.: Commencing at the intersection of Sixth Avenue and West Tenth Street, in The City of New York, running southwesterly with single track through, upon and along West Tenth Street to the intersection of said West Tenth Street with Greenwich Avenue, all in the Borough of Manhattan, City of New York.

Sec. 2. The grant of said franchise or right to use said streets, avenues, parkways and highways is made subject to the following conditions:

First.—That the said right, privilege and franchise to construct and operate its said railway shall be held and enjoyed by said railway company, its lessee or successors, for the term of twenty-five years with the privilege of a renewal of said grant for the further period of twenty-five years upon a fair revaluation of the right, such revaluation to be of the right, privilege and franchise to maintain and operate said railway by itself, and not to include any value derived from the ownership, control or operation of any other railroad, line or tracks by the grantee, its successors or assigns; provided, however, that the consent of the owners of one-half in value of the property bounded on such streets, avenues, parkways and highways shall be first obtained, or in lieu thereof the favorable determination of three Commissioners, approved by the Appellate Division of the Supreme Court, that such railroad should be constructed and operated.

Second.—Upon the termination of the said franchise or right, whether original or renewed, there shall be a fair valuation of the plant and property of the grantee in the streets, avenues, parkways and highways aforesaid, with its appurtenances; and the said plant and property shall be and become the property of the City on the termination of the grant on paying the grantee such valuation. Such payment shall be at a fair valuation of the said plant and property as property, including any value derived from the franchise.

Third.—The mode of determining the valuations and revaluations herein provided for shall be as follows: One disinterested freeholder shall be chosen by the Board of Estimate and Apportionment, one disinterested freeholder shall be chosen by the railroad company; these two shall choose a third disinterested freeholder; the three so chosen shall act as appraisers and shall make the valuations and revaluations aforesaid. Such appraisers shall be chosen at least sixty days prior to the expiration of the grant, or of the renewal thereof, and their reports shall be filed with the Comptroller of the City not more than thirty days thereafter. 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 investigation without the presence of either party; they shall have the right to examine the books of the railroad company. The valuation so ascertained, fixed and determined shall be conclusive upon both parties.

Fourth.—The said West Tenth Street Connecting Railway Company shall, for and during the first five years after the commencement of the operation of any portion of its railroad, annually, on November 1, pay into the treasury of the City, to the credit of the Sinking Fund thereof, three per cent of its gross receipts for and during the year ending September 30 next preceding; and after the expiration of such five years make a like annual payment into the treasury of the City, to the credit of the same fund, of five per cent of its gross receipts, as required by section 95 of the Railroad Law, but such percentage of gross receipts shall not be less than one hundred and fifty dollars (\$150) annually for the first five years and not less than three hundred dollars (\$300) annually thereafter.

That but one fare shall be exacted for passage over the railroad constructed under this grant and over the lines of any railroad system or systems operated in connection therewith, and that the gross receipts from joint business shall be divided in the proportion that the length of said railroad operated hereunder shall bear to the entire length of the railroad system or systems which shall be operated in connection therewith, and of the railroad to be constructed hereunder.

Wherever and whenever this connecting railway shall make it possible for the cars of a non-percentage paying line to operate upon the tracks of a percentage paying line, the former line shall keep a separate and accurate account of all fares collected from passengers who enter said cars upon the routes of percentage lines, and account to the City for them the same as if they had been collected on the percentage line, and to pay the same percentages thereon as is now provided by law to be paid by the company upon whose route they operate.

Fifth.—The said railroad may be operated by underground electrical power substantially similar to the system of underground electrical traction now in use on the railroads in Second, Sixth, Eighth, Ninth and Madison avenues in this city, and by any other motive power, except locomotive steam power, which may be approved by the Board of Railroad Commissioners and

consented to by the owners of property, in accordance with the provisions of the Railroad Law.

Sixth.—The said railroad shall be constructed and maintained subject to the supervision and control of the Commissioner of Highways and the Commissioner of Public Buildings, Lighting and Supplies of The City of New York, in all matters with respect to which said Commissioners are respectively invested with the power of regulation and control by the Charter of said city; and the consent of the City, as owner of property bounded on West Tenth Street and on Christopher Street, is hereby given to the operation of the railroads now or hereafter constructed on said streets by the forms of motive power provided in section fifth.

Sec. 3. The said grant is also upon the further conditions, namely:

First.—The said railroad shall be constructed and operated in the latest improved manner of street railway construction, and the railroad and property of said company shall be maintained in good condition throughout the full term of this grant.

Second.—The rate of fare for any passenger upon said railroad shall be five cents; and said company shall not charge any passenger more than said sum for one continuous ride from any point on its road, or any road, line or branch operated by it or under its control, to any point thereon or any connecting branch thereof within the limits of The City of New York. The cars on said railroad shall be run as often as the public convenience may require.

Third.—The said railroad company shall apply to each car a proper fender and wheel-guard conformably to such laws and ordinances as may hereafter be enacted or adopted by the State or City authorities, and each car shall be well lighted either by the Pintsch gas system or by electricity, or by some system of lighting equally efficient.

Fourth.—All cars of said railroad company shall be heated during cold weather conformably to such laws and ordinances as are now in force or may hereafter be enacted or adopted by the State or City authorities, and each car shall be well lighted either by the Pintsch gas system or by electricity, or by some system of lighting equally efficient.

Fifth.—In case of any violation or breach of or failure to comply with any of the provisions of this section, this grant may be forfeited by suit brought by the Corporation Council on notice of ten days to the said railroad company.

Sec. 4. This grant is also upon the further and expressed condition that the provisions of article IV. of the Railroad Law applicable thereto be complied with.

Sec. 5. The said company shall at all times keep the street between its tracks and for a distance of two feet beyond the rails upon either side thereof free and clear from ice and snow.

Sec. 6. The said railroad company, so long as it shall continue to use any of its tracks upon said streets, avenues or public places, shall have and keep in permanent repair that portion of such streets, avenues and public places between its tracks, the rails of its tracks and two feet in width outside of its tracks, under the supervision of the proper local authorities, and whenever required by them to do so, and in such manner as they may prescribe.

Sec. 7. This grant shall not become operative unless, within ten days after the approval thereof by the Mayor of said City, or the final passage thereof succeeding the return with the disapproval thereof, or subsequent to the taking effect of said grant by reason of the failure of said officer to return the same with his disapproval, the said railroad company shall duly execute under its corporate seal an instrument in writing, wherein said company shall promise, covenant and agree on its part and behalf to pay the compensation and in conformity to, abide by and perform all the conditions and requirements in this ordinance fixed and contained, and within the said period file the said instrument in the office of the Comptroller of The City of New York.

Sec. 8. This ordinance shall take effect immediately. Published in accordance with a resolution adopted by the Municipal Assembly of The City of New York on the 21st day of May, 1901, and approved by his Honor the Mayor on the 24th day of May, 1901.

NEW YORK, May 24, 1901.

F. J. SCULLY,
City Clerk.

BOARD OF ASSESSORS.

PUBLIC NOTICE IS HEREBY GIVEN TO ALL persons claiming to have been injured by a change of grade in the regulating and grading of the following-named streets to present their claims, in writing, to the Secretary of the Board of Assessors, No. 320 Broadway, on or before June 18, 1901, at 11 o'clock A. M., at which place and time the said Board of Assessors will receive evidence and testimony of the nature and extent of such injury. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

BOROUGH OF MANHATTAN.
List 657. One Hundred and Thirty-fifth street, between Amsterdam Avenue and Boulevard.
List 658. Wadsworth Avenue, from One Hundred and Seventy-third street to Eleventh Avenue.

EDWARD McCUE,
EDWARD CAHILL,
THOS. A. WILSON,
PATRICK M. HAVERTY,
JOHN B. MEYENBERG,
Board of Assessors.

WILLIAM H. JAFFER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
JUNE 3, 1901.

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 660. No. 1. Sewer in Fifth Avenue, between Seventy-ninth and Eighty-sixth streets, in Eighty-fourth street, between Fifth Avenue and Fort Hamilton Avenue, and in Eighty-fifth street, between Fifth Avenue and Fort Hamilton Avenue.

List 661. No. 2. Flagging sidewalks southwest side of Bushwick Avenue, between Schaeffer Street and Decatur Street.

List 662. No. 3. Flagging sidewalks south side of McDonough Street, between Saratoga and Hopkinson Avenues.

List 663. No. 4. Flagging sidewalks southeast side of DeKalb Avenue, between Central and Hamburg Avenues.

List 664. No. 5. Flagging sidewalks north side of Fifty-fourth Street, between Fourth and Fifth Avenues, and west side of Fifth Avenue, between Fifty-third and Fifty-fourth streets, and south side of Fifty-third street, between Fourth and Fifth Avenues.

List 665. No. 6. Flagging and reflagging sidewalks west side of Main Street, between Front and York Streets, and south side of Front Street, between Main and Garrison Streets.

List 666. No. 7. Flagging sidewalks north side of Pacific Street, between Rockaway and Stone Avenues.

List 667. No. 8. Flagging sidewalks north side of Deen Street, between Buffalo and Ralph Avenues.

List 668. No. 9. Flagging sidewalks south side of Fulton Street, between Troy and Schenectady Avenues.

BOROUGH OF THE BOROUGH.

List 669. No. 10. Regulating, grading, curbing, flagging, laying crosswalks, etc., in Kappock Street, from Suyven Duvell Parkway to Johnson Avenue.

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

No. 1. Both sides of Fifth Avenue, from Seventy-ninth to Eighty-sixth streets; both sides of Fort Hamilton Avenue, from Eighty-fourth to Eighty-sixth streets; west side of Sixth Avenue, from Eighty-fourth to Eighty-sixth streets; north side of Eighty-sixth street, from Fort Hamilton Avenue to Fifth Avenue; both sides of Eighty-fifth street, from Fort Hamilton Avenue to a point distant about 207 feet west of Fifth Avenue; both sides of Eighty-fourth street, from Fifth Avenue to a point distant about 320 feet west of Fifth Avenue; both sides of Eighty-third, Eighty-second, Eighty-first and Eightieth streets, from Fourth to Sixth Avenue; south side of Seventy-ninth street, from Fifth to Sixth Avenue; east side of Fourth Avenue, from Eighth to Eighty-third street.

No. 2. Southwest side of Bushwick Avenue, between Schaeffer and Decatur Streets, on Block 121, Lot No. 25.

No. 3. South side of McDonough Street, between Saratoga and Hopkinson Avenues, on Block 92, Lots Nos. 20 and 21.

No. 4. Southeast side of DeKalb Avenue, between Central and Hamburg Avenues, on Block 67, Lots Nos. 28 and 29.

No. 5. West side of Fifth Avenue, between Fifty-third and Fifty-fourth streets, and south side of Fifty-third street, between Fourth and Fifth Avenues, on Block 174, Lot Nos. 45, 46, 47, 48, 49, 50, 51, 52, 53 and 54.

No. 6. Southwest corner of Front and Main Streets, on Block 44, Lot No. 1.

No. 7. North side of Pacific Street, between Rockaway and Stone Avenues, on Block 276, Lots Nos. 63, 64, 65, 66, 67, 68, 69, 70, 71, 72 and 73.

No. 8. North side of Deen Street, between Buffalo and Ralph Avenues, on Block 206, Lots Nos. 53, 54, 55, 56, 57, 58 and 59.

No. 9. South side of Fulton Street, between Troy and Schenectady Avenues, on Block 123, Lot No. 1.

No. 10. Both sides of Kappock Street, from Suyven Duvell Parkway to Johnson Avenue, and to the extent of half the block at the intersecting and terminating 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 July 1, 1901, at 11 A. M., at which time and place the said objections will be heard and testimony received in reference thereto.

EDWARD McCUE,
EDWARD CAHILL,
THOS. A. WILSON,
PATRICK M. HAVERTY,
JOHN B. MEYENBERG,
Board of Assessors.

WILLIAM H. JAFFER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
JUNE 3, 1901.

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 660. No. 1. Sewer in Bay Eleventh Street, between Bath and Benson Avenues; and in Benson Avenue, between Bay Tenth and Bay Eleventh Streets.

BOROUGH OF MANHATTAN.
List 661. No. 2. Outlet sewer and overflow at foot of Twenty-sixth Street, North River, with attention and improvement to sewers in Twenty-sixth Street, between Eighth and Thirteenth Avenues; in Eleventh Avenue, between Twenty-sixth and Thirtieth Streets; in Thirteenth Avenue, between Twenty-sixth and Twenty-seventh Streets, and connections at Eighth, Ninth, Tenth and Thirteenth Avenues and Twenty-seventh, Twenty-eighth and Twenty-ninth Streets.

BOROUGH OF THE BOROUGH.
List 662. No. 3. Regulating, grading, curbing, flagging and laying crosswalks, etc., in Stabbin Avenue, from Dawson Street to Boston Road, together with a list of awards for damages caused by a change of 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 Bay Eleventh Street, from Bath to Benson Avenue, and both sides of Benson Avenue, from Bay Tenth to Bay Eleventh Street.

No. 2. Both sides of Twenty-sixth Street, from Eighth Avenue to Hudson River; north side of Twenty-sixth Street, from Seventh to Eighth Avenue; both sides of Twenty-seventh Street, from Sixth to Eleventh Avenue; south side of Twenty-seventh Street, from Eleventh to Thirteenth Avenue; both sides of Twenty-eighth Street, from Broadway to Eleventh Avenue; both sides of Twenty-ninth Street, from Broadway to Eleventh Avenue; both sides of Thirtieth Street, from Broadway to Tenth Avenue; both sides of Thirty-first Street, from Broadway to Ninth Avenue; both sides of Thirty-second Street, from Fifth to Ninth Avenue; north side of Thirty-second Street, extending about 300 feet west of Ninth Avenue; both sides of Thirty-third Street, from Fifth Avenue to a point distant about 320 feet west of Ninth Avenue; both sides of Thirty-fourth Street, from Fifth to Ninth Avenue; south side of Thirty-fourth Street, extending about 200 feet west of Ninth Avenue; both sides of Thirty-fifth Street, from Fifth to Ninth Avenue; both sides of Thirty-sixth Street, from Fifth to Sixth Avenue; south side of Thirty-sixth Street, from Broadway to Sixth Avenue; both sides of Thirty-seventh Street, from Fifth Avenue to Broadway; south side of Thirty-seventh Street, extending about 200 feet east of Fifth Avenue; both sides of Thirty-eighth Street, from Madison to Sixth Avenue; both sides of Thirty-ninth Street, from Madison to Sixth Avenue; both sides of Fortieth Street, from a point distant about 247 feet east of Fifth Avenue to Sixth Avenue; east side of Fifth Avenue, from Thirty-sixth to Forty-first Street; west side of Fifth Avenue, from Thirty-second to Fortieth Street; both sides of Broadway, from Twenty-ninth to Thirty-sixth Street; both sides of Sixth Avenue, from Twenty-seventh to Fortieth Street; both sides of Seventh Avenue, from Twenty-sixth to Thirty-sixth Street; both sides of Eighth Avenue, from Twenty-sixth to Thirty-fifth Street; both sides of Ninth Avenue, from Twenty-sixth to Thirty-fourth Street; both sides of Tenth Avenue, from Twenty-sixth to Thirtieth Street; east side of Tenth Avenue, extending about 100 feet north of Thirtieth Street; both sides of Eleventh Avenue, from a point distant about 100 feet south of Twenty-sixth Street to Thirtieth Street, and east side of Thirtieth Avenue, from Twenty-sixth to Twenty-seventh Street.

No. 3. Both sides of Stabbin Avenue, from Dawson Street to Boston Road, and to the extent of half the block at the intersecting and terminating 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 June 25, 1901, at 11 A. M., at which time and place the said objections will be heard and testimony received in reference thereto.

EDWARD McCUE,
EDWARD CAHILL,
THOS. A. WILSON,
PATRICK M. HAVERTY,
JOHN B. MEYENBERG,
Board of Assessors.

WILLIAM H. JAFFER,
Secretary,
No. 320 Broadway,
CITY OF NEW YORK, BOROUGH OF MANHATTAN,
JUNE 3, 1901.

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 660. No. 1. Sewer in Fifth Avenue, between Seventy-ninth and Eighty-sixth streets, in Eighty-fourth street, between Fifth Avenue and Fort Hamilton Avenue, and in Eighty-fifth street, between Fifth Avenue and Fort Hamilton Avenue.

List 661. No. 2. Flagging sidewalks southwest side of Bushwick Avenue, between Schaeffer Street and Decatur Street.

List 662. No. 3. Flagging sidewalks south side of McDonough Street, between Saratoga and Hopkinson Avenues.

List 663. No. 4. Flagging sidewalks southeast side of DeKalb Avenue, between Central and Hamburg Avenues.

List 664. No. 5. Flagging sidewalks north side of Fifty-fourth Street, between Fourth and Fifth Avenues, and west side of Fifth Avenue, between Fifty-third and Fifty-fourth streets, and south side of Fifty-third street, between Fourth and Fifth Avenues.

List 665. No. 6. Flagging and reflagging sidewalks west side of Main Street, between Front and York Streets, and south side of Front Street, between Main and Garrison Streets.

List 666. No. 7. Flagging sidewalks north side of Pacific Street, between Rockaway and Stone Avenues.

List 667. No. 8. Flagging sidewalks north side of Deen Street, between Buffalo and Ralph Avenues.

List 668. No. 9. Flagging sidewalks south side of Fulton Street, between Troy and Schenectady Avenues.

BOROUGH OF THE BOROUGH.

List 669. No. 10. Regulating, grading, curbing, flagging, laying crosswalks, etc., in Kappock Street, from Suyven Duvell Parkway to Johnson Avenue.

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

DEPARTMENT OF SEWERS.

DEPARTMENT OF SEWERS—COMMISSIONER'S OFFICE,
Nos. 13 to 21 PARK ROW,
New York, May 23, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the Department of Sewers of The City of New York at its office, Nos. 13 to 21 Park row, Borough of Manhattan, until 12 o'clock M.,

WEDNESDAY, JUNE 5, 1901,

for furnishing materials and all the labor required and necessary to build and complete the following works:

Borough of The Bronx.

SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND EIGHTH STREET, from Arthur Avenue to LaFontaine Avenue.

The Engineer's estimate of the quantity and quality of materials and the nature and extent, as near as possible, of the work required, is as follows:

- 104 linear feet of 12-inch vitrified pipe sewer.
- 54 square feet of concrete connections.
- 3 manholes, complete.
- 95 cubic yards of rock to be excavated and removed.
- 5 cubic yards of concrete in place.
- 3 cubic yards of rubble masonry in mortar.
- 50 cubic yards of broken stone for foundations in place.
- 3,000 feet, B. M., of timber, furnished and laid.
- 10 linear feet of 6-inch to 18-inch vitrified drain-pipe.

The amount of the security required is Five Hundred Dollars (\$500).

The time allowed to complete the whole work is thirty (30) working days.

The plans, drawings and specifications may be seen at the office of the Deputy Commissioner of Sewers, Third Avenue and One Hundred and Seventy-seventh Street, Borough of The Bronx.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each estimate shall contain the name and place of residence of the person making the same, the names of all persons interested with him therein, 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, or money to the amount of five per cent. of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work required or the materials to be furnished, bidders are referred to the printed specifications and plans, in accordance with which all of the above materials and work is to be furnished and done.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

The Commissioner reserves the right to reject all bids or estimates if he deems it for the interests of the City so to do.

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 Council, can be obtained upon application therefor.

JAS. KANE,
Commissioner of Sewers.

DEPARTMENT OF SEWERS—COMMISSIONER'S OFFICE,
Nos. 13 to 21 PARK ROW,
New York, May 23, 1901.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the Department of Sewers of The City of New York, at its office, Nos. 13 to 21 Park row, Borough of Manhattan, until 12 o'clock M.,

WEDNESDAY, JUNE 5, 1901,

for furnishing materials and all the labor required and necessary to build and complete the following works:

Borough of Brooklyn.

SEWERS IN TENTH AVENUE, from Seventy-seventh Street to Sixty-second Street; SIXTY-SECOND STREET, from Tenth Avenue to Sixth Avenue; SIXTH AVENUE, from Sixty-second Street to Sixty-fourth Street; SIXTY-FOURTH STREET, from Sixth Avenue to New York Bay.

The Engineer's estimate of the quantity and quality of materials and the nature and extent, as near as possible, of the work required, is as follows:

- 64 linear feet of 18-inch brick and concrete sewer, on pile foundation, Section "A."
- 262 linear feet of 18-inch brick sewer, on grillage foundation, in open cut, Section "B."
- 1,310 linear feet of 18-inch brick sewer, on grillage foundation, in open cut, Section "C."
- 2,455 linear feet of 18-inch brick sewer in tunnel, Section "D."
- 3,702 linear feet of 18-inch brick sewer, in tunnel, Section "E."
- 64 linear feet of 18-inch brick sewer, in tunnel, Section "F."
- 1,405 linear feet of 24-inch egg-shape brick sewer, 360 linear feet of 48-inch egg-shape brick sewer, 40 linear feet of 48-inch circular brick sewer, 33 linear feet of 48-inch egg-shape brick sewer, 1,280 linear feet of 36-inch egg-shape brick sewer, 375 linear feet of 30-inch egg-shape brick sewer, 285 linear feet of 24-inch vitrified stoneware pipe sewer.
- 715 linear feet of 18-inch vitrified stoneware pipe sewer.
- 240 linear feet of 15-inch vitrified stoneware pipe sewer.
- 7,400 linear feet of 12-inch vitrified stoneware pipe sub-drains.
- 1 connecting chamber, complete.
- 9 manholes, Class "A."
- 38 manholes, Class "B."
- 54 manholes, Class "C."
- 59 receiving-basins.
- 3,900 cubic yards of additional, Rosendale cement concrete masonry around tunnel.

- 7,800 cubic yards of additional brick masonry around tunnel.
- 520,000 feet (B. M.) foundation planking under all sewers, excepting 18-inch brick and concrete sewer, Section "A."
- 300,000 feet (B. M.) yellow pine foundation planking under brick and concrete sewer, Section "A."
- 1,405,000 feet (B. M.) sheeting and bracing timber.
- 710,000 feet (B. M.) 12-inch by 12-inch yellow pine, tongued and grooved, sheet piling.
- 122,000 linear feet piles.
- 2,500 cubic yards rip-rap.
- 5,600 cubic yards sand filling.

The amount of the security required is Four Hundred and Forty Thousand Dollars (\$440,000).

The time allowed to complete the whole work is four thousand five hundred (4,500) working days.

The plans, drawings and specifications may be seen at the office of the Deputy Commissioner of Sewers, Municipal Building, Borough of Brooklyn.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed with the title given above, of the work for which the estimate is made, with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the date and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each estimate shall contain the name and place of residence of the person making the same, the names of all persons interested with him therein, 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 Municipal Assembly, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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.

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 a surety, and shall contain the matters set forth in the blank form of bid mentioned below.

No estimate will be received or considered unless accompanied by a certified check, or money to the amount of five per cent. of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work required or the materials to be furnished, bidders are referred to the printed specifications and plans, in accordance with which all of the above materials and work is to be furnished and done.

Bidders will write out the amount of their estimates in addition to inserting the same in figures.

The Commissioner reserves the right to reject all bids or estimates if he deems it for the interests of the City so to do.

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 Council, can be obtained upon application therefor.

JAS. KANE, Commissioner of Sewers.

THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays excepted, at No. 9 City Hall, New York City. Annual subscription, \$4.25, postage prepaid.

WILLIAM A. BUTLER,
Supervisor.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION,
No. 345 BROADWAY,
New York, May 31, 1901.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications for the position of FIREMAN (UNIFORMED, FIRE DEPARTMENT), will be received and received, commencing Friday, May 31, 1901, at 9 A. M.

Further, the time for issuing and receiving applications for said position will expire on Saturday, June 8, 1901, at 12 o'clock noon.

LEE PHILLIPS,
Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION,
No. 345 BROADWAY,
May 30, 1901.

PUBLIC NOTICE IS HEREBY GIVEN THAT an examination will be held for the position of CLERK (SENIOR, MALE), commencing June 13, 1901.

The subjects of the examination will be as follows: Handwriting, Writing from dictation, English spelling, Arithmetic, Making a condensed summary of a document or letter-writing, or both.

The time of filing applications for said examination will expire on Saturday, May 25, at 12 o'clock noon.

LEE PHILLIPS,
Secretary.

DEPARTMENT OF FINANCE.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 108 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 BROOKLYN:

EIGHTH WARD.

FIFTY-EIGHTH STREET—GRADING LOTS, north side, between Third and Fourth Avenues. Area of assessment: Lots numbered 2, 4, 6 to 10, both inclusive, and 68 of Block 16.

TWENTY-NINTH WARD.

AVENUE C—BASIN, at the southwest corner of East Eleventh Street; also AVENUE C, BASIN, at the southeast corner of East Eleventh Street. Area of assessment: South side of Avenue C, between Conny Island Avenue and East Eleventh Street, and between East Eleventh Street and East Fifteenth Street; west side of East Eleventh Street, from Avenue C to the street summit situated southerly therefrom; and east side of East Fourteenth Street, from Avenue C to the street summit situated southerly therefrom.

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 109 of said 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Arrears at the office of the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Borough of Brooklyn, between the hours of 9 A. M. and 3 P. M., and on Saturdays from 9 A. M. to 12 M., and all payments made thereon on or before July 27, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,

Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 29, 1901.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 108 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 8.

TWO HUNDRED AND FIFTH STREET—SEWER, between the Harlem River and Tenth Avenue; also, SEWER IN NINTH AVENUE, between Two Hundred and Fourth and Two Hundred and Sixth Streets; also, SEWERS IN TWO HUNDRED AND FOURTH AND TWO HUNDRED AND SIXTH STREETS, between Ninth and Tenth Avenues. Area of assessment: Both sides of Ninth Avenue, from a point distant about 100 feet south of Two Hundred and Fourth Street to a point distant about 100 feet north of Two Hundred and Sixth Street; both sides of Two Hundred and Fourth Street, extending 250 feet west of Ninth Avenue; both sides of Two Hundred and Fifth Street, from Tenth Avenue to the Harlem River, and both sides of Two Hundred and Sixth Street, from Ninth to Tenth Avenue.

—that the same was confirmed by the Board of Assessors on May 28, 1901, and entered on the same date in the Record of Titles of Assessments Confirmed, 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 109 of said 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Arrears at the office of the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room No. 83, No. 280 Broadway, Borough of Manhattan, between the hours of 9 A. M. and 3 P. M., and on Saturdays from 9 A. M. to 12 P. M., and all payments made thereon on or before July 27, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,

Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 29, 1901.

PETER F. MEYER, AUCTIONEER.

SALE OF LEASES OF CITY PROPERTY. THE COMPTROLLER OF THE CITY OF NEW YORK will sell at public auction to the highest bidder of yearly rental, at his office in the Stewart Building, No. 280 Broadway, on

THURSDAY, JUNE 6, 1901,

at 12 o'clock M., leases for the term of ten years from June 1, 1901, of the following parcels of property belonging to the Corporation of The City of New York, located on the west side of Washington Avenue, in Wallabout Market, Borough of Brooklyn, being lots numbered 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010 and 1012 respectively on the map of said market, each of said lots being 25 feet front on Washington Avenue and 50 feet in depth, the upset price or yearly rental for each of said lots severally being appraised and fixed at the sum of two hundred and seventy-six (\$276) dollars respectively upon the following

TERMS AND CONDITIONS OF SALE.

The highest bidder will be required to pay the auctioneer's fee and twenty-five per cent. of the amount of the yearly rental bid at the time and place of sale. The amount so paid for one quarter's rent to be forfeited if the successful bidder does not execute the lease for the said premises when notified that it is ready for execution. He will also be required to give a bond in double the amount of the annual rental bid, with two sufficient sureties to be approved by the Comptroller, conditioned for the payment of the rent quarterly, in advance, and for the performance and fulfillment of the covenants and terms of the lease on his part.

The lease will in turn contain the following covenants: That the lessee shall erect upon the said premises substantial buildings, the same to be erected in accordance with and to conform in all respects with the plans as made by Mr. William E. Hubby, the architect for the City as per contract made with him by the City of Brooklyn, pursuant to the provisions of chapter 876, Laws of 1890, and which plans were heretofore adopted for buildings to be erected in Wallabout Market; the plans and specifications for said buildings to be submitted to and approved by the Commissioners of the Sinking Fund and the Department of Buildings.

That the premises leased shall be used as and for market purposes only.

That the lessee will not sublet any part or portion of the premises leased or sell the lease for the said premises without the consent in writing of the Comptroller.

That the lessee will be entitled to a renewal term thereof for an additional term of ten years upon giving six months' notice prior to the expiration of the term of the original lease, of his desire to renew the same.

That the lessee further covenants that the buildings so erected upon the premises leased shall, upon the expiration or sooner termination of the lease, and if renewed upon the expiration of said renewal term, revert to and become the property of The City of New York, upon payment to the lessee or his legal representatives or assigns of the then value of the buildings built as hereinbefore provided, such value to be fixed, determined and agreed upon by and between the Comptroller of The City of New York and the said lessee, his legal representatives or assigns, not less than four months prior to the expiration of said lease or of the renewal thereof, if renewed, and in the event that no such agreement can be reached by the said Comptroller and the said lessee four months prior to and preceding the expiration of such lease or of the renewal term thereof, then such value shall be ascertained by three disinterested Commissioners to be nominated and

appointed by a Justice of the Supreme Court as the application of the Comptroller of The City of New York, on ten days' notice of such application to the lessee or lessees of said premises, or their legal representatives or assigns. The finding of the Commissioners appointed as aforesaid as to the value of such building or buildings shall be final and conclusive upon all parties, and the expenses of such Commissioners shall be paid and borne, one-half by the City and one-half by the lessee.

No person will be received as lessee or surety who is a delinquent on any former lease from the Corporation, and no bid will be accepted from any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to the Corporation, as provided by law.

The Comptroller shall have the right to reject any bid if deemed to be for the best interests of The City.

By order of the Commissioners of the Sinking Fund, under a resolution adopted at a meeting of the Board held May 27, 1901.

BIRD S. COLER,

Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 24, 1901.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 108 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 6.

ONE HUNDRED AND THIRTY-FOURTH STREET—PAVING, from Park Avenue to Madison Avenue. Area of assessment: Both sides of East One Hundred and Thirty-fourth Street, between Park and Madison Avenues, and to the extent of one-half the blocks on the terminating Avenues.

TWELFTH WARD, SECTION 7.

BROADWAY—SEWER, west side, between One Hundred and Fourteenth and One Hundred and Fifteenth Streets. Area of assessment: West side of Broadway, between One Hundred and Fourteenth and One Hundred and Fifteenth Streets.

ONE HUNDRED AND SIXTEENTH STREET.

PAVING, from Amsterdam Avenue to Morningside Avenue, West. Area of assessment: Both sides of One Hundred and Sixteenth Street, between Amsterdam Avenue and Morningside Avenue, West, and to the extent of one-half the blocks on the terminating Avenues.

TWELFTH WARD, SECTION 8.

ONE HUNDRED AND SIXTY-SECOND STREET—PAVING, from Kingsbridge Road to Eleventh Avenue. Area of assessment: Both sides of One Hundred and Sixty-second Street, between Kingsbridge Road and the Boulevard, and to the extent of one-half the blocks on the terminating streets.

EIGHTEENTH WARD, SECTION 3.

AVENUE B—SEWER, between Fourteenth and Fifteenth Streets. Area of assessment: Both sides of Avenue B, between Fourteenth and Fifteenth Streets.

TWENTY-SECOND WARD, SECTION 4.

TWELFTH AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, from the south side of Fifty-second Street to the north side of Fifty-eighth Street. Area of assessment: Both sides of Twelfth Avenue, between Fifty-second and Fifty-eighth Streets, and to the extent of one-half the blocks easterly of Twelfth Avenue.

—that the same was confirmed by the Board of Assessors on May 27, 1901, and entered on the same date in the Record of Titles of Assessments Confirmed, 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 109 of said 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Arrears at the office of the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Room No. 83, No. 280 Broadway, Borough of Manhattan, between the hours of 9 A. M. and 3 P. M., and on Saturdays from 9 A. M. to 12 P. M., and all payments made thereon on or before July 27, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,

Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 22, 1901.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 108 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 BROOKLYN:

FOURTEENTH WARD.

BERRY STREET—BASIN, at the northwest corner of North Fourteenth Street. Area of assessment: Lots numbered 18 to 27, both inclusive, and 47 and 48 of Block No. 44.

SEVENTEENTH WARD.

BANKER STREET—BASINS, at the northwest and southwest corners of Nassau Avenue; also, NORTH FIFTEENTH STREET BASINS, at the northwest and southwest corners of Nassau Avenue. Area of assessment: Both sides of Nassau Avenue, between North Fourteenth and North Fifteenth Streets; also east side of North Fourteenth Street, from Nassau Avenue to the street summit northerly therefrom; also Lots numbered 21 of Block No. 149, and 16, of Block No. 203.

DOBBS STREET—BASINS, at the northwest and southwest corners of Nassau Avenue; also GUERNSEY STREET BASINS, at the northwest, southwest and southeast corners of Nassau Avenue. Area of assessment: Both sides of Nassau Avenue, between North Fifteenth and Guernsey Streets; east side of North Fifteenth Street; west side of Guernsey Street, and both sides of Dobbs Street, from Bedford Avenue to the street summit in each of those streets situated north of Nassau Avenue; south side of Nassau Avenue, between Guernsey and Lorimer Streets, and Lots numbered 3 and 16, of Block No. 206.

NINETEENTH WARD.

BEDFORD AVENUE—BASIN, at the southwest corner of Lynch Street. Area of assessment: West side of Bedford Avenue, between Lynch and Heyward Streets.

TWENTY-FIFTH WARD.

PRESCOTT PLACE—BASIN, at the southeast corner of Herkimer Street. Area of assessment: Block bounded by Prescott and Hancock Places, and Herkimer Street and Atlantic Avenue.

TWENTY-EIGHTH WARD.

GRANITE STREET—BASINS, at the southwest corner of Evergreen Avenue, and on the north and south sides of Granite Street, between Bushwick and Evergreen Avenues. Area of assessment: Both sides of Granite Street, between Bushwick and Evergreen Avenues; also west side of Evergreen Avenue, between Granite Street and New Bushwick Road.

KNICKERBOCKER AVENUE—SEWER, between Putnam Avenue and Chancery Street. Area of

Assessment: Both sides of Knickerbocker avenue, from Putnam avenue to Chatterbox street; south side of Putnam avenue, from Knickerbocker avenue to Irving avenue; both sides of Columbia street, Jefferson avenue, Hancock street, Westfield street, Halsey street and Elliot street, from Irving avenue to Knickerbocker avenue; both sides of Court street, Schaeffer street, Desmar street, Cooper street and Moffat street, from Knickerbocker avenue to the old city line.

TWENTY-NINTH WARD.
BEVERLY ROAD—BASIN, on the northwest corner of East Fifteenth street. Area of assessment: West side of East Fifteenth street, between Beverly road and Altemar road; also south side of Altemar road and the north side of Beverly road, between East Fourteenth and East Fifteenth streets.

BEVERLY ROAD—BASIN, at the northwest corner of East Seventeenth street. Area of assessment: West side of East Seventeenth street, between Beverly road and Altemar road; also north side of Beverly road, between East Sixteenth and East Seventeenth streets.

REGENT PLACE—BASIN, at the northeast corner of Ocean avenue. Area of assessment: East side of Ocean avenue, between Regent place and Altemar road; also north side of Regent place, between Ocean avenue and East Twenty-first street.

—that the same were confirmed by the Board of Assessors on May 21, 1901, and entered on same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Arrears of Water Rents, and under the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, interest will be collected thereon, as provided in section 103 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Arrears, at the office of the Bureau for the Collection of Assessments and Arrears of Taxes and Arrears of Water Rents, at the Municipal Building, Borough of Brooklyn, between the hours of 9 a. m. and 3 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 20, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,
Comptroller,
CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 21, 1901.

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 103 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.
EASTERN AVENUE—OPENING, from Belmont street to the Crotona. Confirmed May 14, 1901, entered May 21, 1901. Area of assessment: Both sides of Eastern avenue, between Belmont street and the Crotona, and both sides of Belmont street, between Eastern avenue and the Crotona, and both sides of the Crotona, between Belmont street and Eastern avenue.

—that the same was confirmed by the Board of Assessors on May 14, 1901, and entered on same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Arrears of Water Rents, and under the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, interest will be collected thereon, as provided in section 103 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

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 Arrears of Water Rents, at 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 3 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 20, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,
Comptroller,
CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 21, 1901.

INTEREST ON BONDS AND STOCKS OF THE CITY OF NEW YORK.

THE INTEREST DUE JULY 1, 1901, ON the Registered Bonds and Stock of the former City of New York, of the late City of Brooklyn, of the County of Kings and of corporations in Queens and Richmond counties, now included in The City of New York, will be paid on that day by the Comptroller, at his office, Room 27, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books thereof will be closed from May 27, 1901, to July 1, 1901.

The interest due July 1, 1901, on the Coupon Bonds and Stock of the former City of New York will be paid on that day by the Knickerbocker Trust Company, No. 16 Broadway.

The interest due July 1, 1901, on the Coupon Bonds of the late City of Brooklyn will be paid on that day by the Nassau National Bank of Brooklyn, No. 26 Court street.

The interest due July 1, 1901, on the Coupon Bonds of Corporations in Queens and Richmond counties will be received on that day for payment by the Comptroller at his office, Room 27, Stewart Building, corner of Broadway and Chambers street.

BIRD S. COLER,
Comptroller,
CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 21, 1901.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 103 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-THIRD WARD, SECTION 20.
TRINITY AVENUE—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS, from Westchester avenue to East One Hundred and Sixty-first street. Area of assessment: Both sides of Trinity avenue, between Westchester avenue and East One Hundred and Sixty-first street, and to the extent of one-half the blocks on One Hundred and Fifty-eighth, One Hundred and Sixtieth and One Hundred and Sixty-first streets.

TWENTY-THIRD WARD, SECTION 11.
FREEMAN STREET—SEWER, from the South-east corner of Freeman street to the street running north of Freeman street. Area of assessment: Both sides of Freeman street, between Southern Boulevard and Vyse street; also, both sides of Hoe street, from Freeman street to the street running north of Freeman street.

—that the same were confirmed by the Board of Assessors on May 21, 1901, and entered on same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Arrears of Water Rents, and under the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, interest will be collected thereon, as provided in section 103 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

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 Arrears of Water Rents, at 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 3 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 20, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,
Comptroller,
CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 21, 1901.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 103 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-THIRD WARD, SECTION 10.
ONE HUNDRED AND THIRTY-FOURTH STREET AND ST. ANN'S AVENUE—FENCING, southeast corner, running 100 feet on St. Ann's avenue and 100 feet on One Hundred and Thirty-fourth street. Area of assessment: Lots numbered 30 to 35, both inclusive, of Block No. 1346.

—that the same was confirmed by the Board of Assessors on May 21, 1901, and entered on same date in the Record of Titles of Assessments Confirmed, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Arrears of Water Rents, and under the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, interest will be collected thereon, as provided in section 103 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 cent. per annum, to be calculated from the date of such entry to the date of payment."

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 Arrears of Water Rents, at 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 3 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 20, 1901, 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 cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

BIRD S. COLER,
Comptroller,
CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, May 21, 1901.

THE CITY OF NEW YORK—DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE.

To the Holders of Six Per Cent. Gold Consolidated Stock of the County of New York, Payable July 1, 1901:

THE FOLLOWING IS AN EXTRACT FROM the proceedings of the Commissioners of the Sinking Fund at a meeting held Tuesday, February 13, 1901:

The Comptroller presented the following report and accompanying resolution relative to the redemption of six per cent. Gold Consolidated Stock of the County of New York, maturing July 1, 1901:

CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, February 13, 1901.

To the Commissioners of the Sinking Fund:
GENTLEMEN—Six per cent. Gold Consolidated Stock, amounting to eight million eight hundred and eighty-five thousand five hundred dollars (\$8,855,000), which was issued by the County of New York prior to its consolidation with the former City of New York, matures on July 1, 1901.

The said stock is all held by the public and is payable from the Sinking Fund for the Redemption of the City Debt (No. 1), under the provisions of section 813 of chapter 378 of the Laws of 1897.

Under an amendment to the Constitution of the State of New York adopted at the general election held in the year 1895, the said stock is exempted, for the debt-restrictive purposes of section 10 of article VIII, of the Constitution, from classification as a City debt.

In view of the present heavy demands upon the City's debt-incurring capacity, especially for rapid transit and bridge construction, it is desirable to retain the advantage gained by such exemption. This advantage would be generally lost as to the amount of said stock if it were to be redeemed out of the Sinking Fund, or if it were refunded by the issue of Corporate Stock of the City of New York.

I therefore propose to extend the maturity of a considerable proportion, if not the whole of such stock, for periods not exceeding twenty years, under the authority conferred upon me by chapter 630 of the Laws of 1900, upon the best obtainable terms for the City.

It is not unlikely, however, that it may prove impossible to extend certain portions of said stock upon advantageous terms, and I therefore recommend that a resolution be adopted authorizing the Comptroller to redeem from the Sinking Fund such portions of said stock.

Respectfully,
(Signed) BIRD S. COLER,
Comptroller.

Whereas, Six per cent. Gold Consolidated Stock issued by the County of New York prior to its consolidation with the former City of New York, amounting to eight million eight hundred and eighty-five thousand five hundred dollars (\$8,855,000), matures July 1, 1901, and is payable from the Sinking Fund for the Redemption of the City Debt (No. 1), under the provisions of section 813 of chapter 378 of the Laws of 1897;

Whereas, the Comptroller proposes, under the authority of chapter 630 of the Laws of 1900, to extend for periods not exceeding twenty years the maturity of as much of said stock as he may be able to so extend upon terms advantageous to the City; therefore

Resolved, That the Comptroller be and is hereby authorized to pay out of the Sinking Fund for the Redemption of the City Debt (No. 1), such portion of the six per cent. Gold Consolidated Stock of the County of New York, payable July 1, 1901, as he may be unable to extend upon terms deemed by him to be advantageous to the City;

The report was accepted and the resolution unanimously adopted.

For the reasons set forth in the foregoing report to the Commissioners of the Sinking Fund, the Comptroller of the City of New York will avail himself of the provisions of chapter 630 of the Laws of 1900, which reads as follows:

CHAPTER 630.

An ACT to authorize the extension of the funded indebtedness of the counties of New York, Kings, Queens and Richmond.

ENACTED BY THE CITY.

Because a law April 23, 1900, with the approval of the Governor. Passed, a majority being present.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. It shall be lawful for the comptroller of the city of New York, in his discretion, to provide for the extension of all or any part of the funded indebtedness of the counties of New York, Kings, Queens and Richmond, as the same may from time to time mature. Certificates of stock or bonds so extended shall bear interest at a rate not exceeding three and one-half per centum per annum, and shall be stamped across their face with the terms of such extension, which shall be for a period not exceeding twenty years.

Sec. 2. This act shall take effect immediately.

Proposals will be received by the Comptroller at his office, No. 26 Broadway, New York City, from the holders of six per cent. Gold Consolidated Stock of the County of New York, payable July 1, 1901, for extending the maturity of all or any part of the respective amounts of such stock held by them to the following dates:

JULY 1, 1917,
JULY 1, 1918,
JULY 1, 1919,
JULY 1, 1920, and
JULY 1, 1921.

Stock so extended will be payable in gold and will bear interest from July 1, 1901, at the rate of three and one-half (3½) per cent. per annum, payable, also, in gold, semi-annually, on the first day of January and of July in each year. The Comptroller proposes to appraise the amount of stock thus extended so that, as nearly as practicable, one-fifth of the whole amount extended shall be redeemable at each of the five maturity dates above mentioned. Preference will, as far as possible, be given to the proposals received according to priority in the date of their receipt, the proposals first received being entitled to the privilege of the longest extension period, unless such proposal shall indicate a preference for the shorter terms. The stock which is to be extended in accordance with the terms of this circular must be delivered to the Comptroller upon demand, when the certificates will be stamped across their face with the terms of the extension, in accordance with the provisions of chapter 630 of the Laws of 1900, provided, however, that such stock now outstanding in coupon form when presented for extension will be extended in the form of registered stock. Thereafter transfers may be made of such stock on the books of the Corporation in accordance with the general provisions of law and the rules of the Department of Finance in regard thereon. The right to discontinue the offer contained in this circular at any time without further notice is expressly reserved.

Dated New York, March 1, 1901.

BIRD S. COLER, Comptroller.

NOTICE OF SALE OF LANDS AND TENEMENTS WITHIN THAT PART OF THE CITY OF NEW YORK KNOWN AS THE FIRST WARD OF THE BOROUGH OF QUEENS, FORMERLY KNOWN AS LONG ISLAND CITY, FOR THE UNPAID INTEREST DUE ON ASSESSMENTS LEVIED FOR IMPROVEMENT OF GRAND AVENUE AND MAIN STREET.

CITY OF NEW YORK—DEPARTMENT OF FINANCE, OFFICE OF THE BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES, ASSESSMENTS AND ARREARS OF WATER RENTS, STEWART BUILDING, NO. 26 BROADWAY, BOROUGH OF MANHATTAN, March 4, 1901.

UNDER THE DIRECTION OF BIRD S. COLER, Comptroller of the City of New York, the undersigned hereby gives public notice, pursuant to the provisions of chapter 378, Laws of 1890, and of the Greater New York Charter, chapter 378, Laws of 1897:

That the respective owners of the lands and tenements within that part of The City of New York now known as the First Ward of the Borough of Queens, formerly known as Long Island City, on which the interest on the assessments levied for the local improvement, known as the IMPROVEMENT OF GRAND AVENUE AND MAIN STREET, has been laid and confirmed according to law, now remaining unpaid, and which was confirmed April 1, 1897, are required to pay the amount of the interest due and remaining unpaid to the Collector of Assessments and Arrears, at his office in the Department of Finance, Hackett Building, Jackson avenue and Fifth street, Long Island City, Borough of Queens, at the rate of 10 per cent. per annum, with the charges of this notice and the advertisement.

And if default shall be made in such payment, such lands and tenements will be sold at public auction, at the office of the Collector of Assessments and Arrears, as given herein, in the Borough of Queens, in The City of New York, on Monday, the 17th day of June, 1901, at 12 o'clock p. m., for the lowest term of years for which any person shall offer to take the same, in consideration of advancing the amount of the interest due and unpaid and the charges thereon, as aforesaid, and all other costs and charges that may have accrued thereon; and such sale shall be continued from time to time until all the lands and tenements so advertised for sale shall be sold.

And notice is hereby further given that a detailed statement of the amount of interest due and unpaid on each assessment, a description of the property and the ownership of the property assessed is published in a pamphlet, and that copies of the pamphlet are deposited in the offices of the Collector of Assessments and Arrears in the Department of Finance that are situated respectively in the boroughs of Manhattan and Queens, and will be delivered to any person applying for the same.

EDWARD GILON,
Collector of Assessments and Arrears.

AQUEDUCT COMMISSION.

PUBLIC AUCTION.

FRIDAY, JUNE 15, 1901.

AT 10 O'CLOCK A. M.

THE AQUEDUCT COMMISSIONERS OF THE City of New York will sell at public auction, under the direction of Peter F. Meyer & Co., auctioneers, at Kew-Forest, Westchester County, N. Y., all the Grass within the purchase lines of the New Croton Reservoir, on the following parcels between Flax's Bridge and Croton Falls:

Parcel No.	Former Owner.	Minimum Price.
106	George Palmer.....	\$1 00
107	W. E. Reynolds.....	3 00
108	Estate Elias Reynolds.....	3 00
110	George Gregory.....	3 00
111	Nelson Brothers.....	67 00
112	Z. M. Knudsen.....	9 00
113	F. T. Hopkins.....	25 00
114	John Kilday.....	3 00
115	Joseph Sarker.....	5 00
116	Estate Elizabeth Smith.....	5 00
117	Adella Burr.....	21 00
118	Croton Lake Improvement Company.....	8 00
119	F. T. Hopkins.....	35 00
120	John Owen.....	38 00
121	Nelson Brothers.....	120 00
122	Estate Samuel Cahn.....	9 00
123	Estate A. Green.....	5 00
124	Estate John Jay.....	25 00
125	George Todd.....	30 00
126	L. G. Wood.....	11 00
127	D. J. Smith.....	11 00
128	W. J. Doris.....	4 00
129	Estate D. M. Sillman.....	1 00
130	A. B. Whitlock.....	15 00
131	W. H. Robertson.....	20 00
132	George Todd.....	5 00
133	A. H. Todd.....	21 00
134	Estate E. Washburn.....	20 00
135	Phoebe E. Adams.....	0 00
136	Phoebe E. Adams.....	4 00
137	Leona B. Strong.....	14 00
138	Estate N. Marritt.....	20 00
139	E. B. Brady.....	15 00
140	E. B. Brady.....	5 00
141	Ann A. Ferris.....	13 00
142	Alas Teed.....	12 00
143	A. B. Whitlock.....	22 00
144	Estate S. E. Mead.....	1 00
145	Estate S. E. Mead.....	7 00
146	Estate S. E. Mead.....	15 00
147	Estate Harvey Voria.....	11 00
148	E. B. Brady.....	2 00
149	Estate N. Parker.....	7 00
150	A. B. Whitlock.....	6 00
151	Estate D. Norton.....	5 00
152	Estate N. Mead.....	15 00
153	G. W. Brown.....	3 00
154	I. P. Landrine.....	4 00
155	Estate R. J. Thompson.....	8 00
156	Estate R. J. Thompson.....	2 00
157	Joseph Benedict.....	7 00
158	Joseph Benedict.....	15 00
159	Isaac Purdy.....	3 00
160	E. B. Brady.....	4 00
161	Estate D. W. Shawson.....	5 00
162	Estate D. W. Shawson.....	5 00
163	Ellert Wallace.....	2 10
164	Ellert Wallace.....	10 00
165	Estate J. B. Purdy.....	65 00
166	Estate J. B. Purdy.....	4 00
167	Estate J. B. Purdy.....	5 00
168	Concorda Butler.....	14 00

Also the following Buildings.

Parcel No.	Former Owner.	Description.	Minimum Price.
169	Doyle Bros.....	House.....	\$500 00
170	".....	Barn.....	20 00
171	".....	Green-house.....	200 00

NOTE—The grass will be sold first at the Engineer's Office; the buildings will be sold on the ground.

TERMS OF SALE.

First—The purchase money must be paid in cash on the day of sale.

Second—The grass and buildings will not be sold for less than the minimum prices given in the City Record and in the posters.

Third—The grass must be cut and removed before September 1, 1901.

Fourth—If the purchaser is obliged to take down any of the City's fence to get access to the grass, he must restore such a fence at his own expense before September 1, 1901.

Fifth—The purchaser will not be permitted to use any of the City's land for pasture.

Sixth—The buildings will be sold to the true foundation.

Seventh—The buildings must be moved off the City's property by October 1, 1901.

Eighth—The buildings must be moved to new sites which are at least two hundred and fifty feet from the Croton river or any of its affluents or any drain emptying thereon.

Ninth—If any building or part of the same is left on the property of The City of New York on or after the first day of October, 1901, the purchaser shall forfeit all right and title to the buildings or any part of building so left, and also to the money part of the consideration paid at the time of sale, and the Aqueduct Commissioners may at any time on or after the first day of October, 1901, remove such buildings or parts of buildings or remove or destroy the same.

The Aqueduct Commissioners reserve the right to exclude from such sale any building or buildings or any parcel of grass that may be designated by the Engineer.

By order of the Aqueduct Commissioners of The City of New York.

JOHN J. RYAN,
President.

HARRY W. WALKER,
Secretary.