

THE CITY RECORD.

VOL. XXXII.

NEW YORK, FRIDAY, FEBRUARY 19, 1904.

NUMBER 9,361.

THE CITY RECORD.

OFFICIAL JOURNAL OF THE CITY OF NEW YORK.

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

BOARD OF CITY RECORD.

GEORGE B. McCLELLAN, MAYOR.

JOHN J. DELANY, CORPORATION COUNSEL.

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PATRICK J. TRACY, SUPERVISOR.

Published daily, except legal holidays.

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

SUPPLEMENTS: Civil List (containing names, salaries, etc., of the city employees), 25 cents; Canvass, 10 cents; Registry Lists, 5 cents each Assembly District; Law Department and Finance Department supplements, 10 cents each.

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

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

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DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

December 31, 1903.

Hon. SETH LOW, Mayor:

Sir—In accordance with section 1554 of the Greater New York Charter, I submit the following report of the transactions of this Department for the quarter ending June 30, 1903:

WATER SUPPLY.

Manhattan and The Bronx, Queens and Richmond.

Attached hereto and marked "Document I." is the report of Chief Engineer Nicholas S. Hill, Jr. I call your attention particularly to the fact that in May, a month of little rainfall in the Croton watershed, there was no waste of water over the old Croton dam, but that the total water over that dam during April and June was over 19,000,000,000 gallons. June was a month of phenomenal rainfall.

Upon starting the new engines at One Hundred and Seventy-ninth Street Station at the end of March, it was found with regret that some of the old pumps had to be shut down for repairs, thus delaying until fall the expected increase of pressure in the high service districts of Manhattan.

In Richmond during the quarter, 12,401,548 gallons were pumped from the City's wells at Tottenville to the standpipe, at an average cost of \$12.67 per million gallons. The average daily consumption was 136,280 gallons. At the end of the quarter there were 38,190 $\frac{1}{2}$ linear feet of mains in use and 61 stop cocks and 77 fire hydrants. At the same time the Staten Island Water Supply Company was supplying 586 fire and draw hydrants, and the Crystal Water Company 450, and the South Shore Water Works Company 18.

BOROUGH OF BROOKLYN.

The report of Chief Engineer I. M. De Varona is hereto annexed and marked "Document II."

It is to be noted that the average daily consumption of water was 102,844,379 gallons, and that the consumption was greatest in May and least in June. There

was a net gain in storage of over 24,500,000 gallons. Over 1,700,000,000 gallons were wasted from the ponds east of Millburn, but it is expected to save most of this water when the new engines are started at the Millburn Pumping Station.

The report of Henry Hawkes, Superintendent of Distribution and Repairs, is hereto attached, and marked "Document II. A."

LIGHTING.

The Legislature adjourned in this quarter, having failed to take the action requested by the authorities of the City in the direction either of authorizing the construction, operation and maintenance of a municipal electric lighting plant or of so amending section 530 of the Charter as to enable lighting contracts to be made for a longer period than one year and without advertising for bids in districts where there could be no competition.

Upon the argument before you as to your approving the bill extending the franchise of the East River Gas Company of Long Island City, it developed that in connection with the proposed removal of gas manufacture from Manhattan there were issues between the City and the Consolidated Gas Company requiring settlement. You vetoed that bill and intimated that those issues and the lighting question should be matters of conference between the City authorities and the lighting interests. Accordingly, the Board of Estimate and Apportionment, to which in March I had referred the acceptance or rejection of the bids for public lighting for 1903, appointed as a committee to confer with the lighting companies yourself, the Comptroller and the President of the Board of Aldermen. At the close of the quarter this Committee had made no report.

The statistics of the lighting in Manhattan and The Bronx will be found in the report of Charles F. Lacombe, Engineer of Surface Construction, hereto annexed, and marked "Document III." those for Brooklyn, in the report of A. E. Allen, Assistant Engineer, hereto annexed and marked "Document IV."

"Document V." is the report of G. A. Roullier, Deputy Commissioner in Queens, giving the statistics as to public lamps in that Borough.

On June 30, 1903, in Richmond the following public street lamps were in service:

Electric arc lamps	560
Electric incandescent lamps	3,588
Oil lamps	100
	4,248

Total.....

ELECTRICITY.

The reports of the electrical bureaus of Brooklyn and of Manhattan and The Bronx are hereto attached and marked respectively "Document VI." and "Document VII."

In Queens, the electrical work of the quarter may be summarized as follows:

Exterior wiring permits issued	452
Interior wiring applications	363
Interior wiring certificates	420
Covering incandescent lights	12,284
Covering arc lights	55
Covering 32 motors, horse power	190.25
Covering 15 generators, kilowatt capacity	636.25
Complaints issued	354
Complaints attended to	387
Inspections	6,582
Poles removed	33
Wires removed (miles)	7.68

In Richmond, during the six months ending June 30, 1903, 599 exterior wiring applications were received. Permits for such wiring were issued as follows:

Richmond Light and Railway Company	233
New York and New Jersey Telephone Company	290
American Telephone and Telegraph Company	7
Staten Island Midland Railroad Company	5
Western Union Telegraph Company	2
Fire Department	1
	538

One hundred and fifty interior wiring applications were received and 100 certificates were issued. Inspections were made as follows:

Exterior wiring	1,073
Interior wiring	206
	1,279

Total.....

Sixteen electric motors were installed, having an aggregate horse-power of one hundred and fifty-nine and five-eighths.

In Richmond, also, during the same period of six months, 208 permits were issued for laying service pipes, repairs, etc., to the New York and Richmond Gas Company.

WATER REVENUE.

The following is a statement of the revenue for the quarter as reported to me by the Water Registers in the several boroughs:

Water Revenue for the Quarter Ending June 30, 1903—Department of Water Supply, Gas and Electricity.

	Manhattan.	The Bronx.	Brooklyn.	Queens.	Richmond.	Totals.
Regular annual frontage rates.....	\$676,862 55	\$104,712 00	\$606,774 97	\$34,083 84	.....	.....
Penalties, section 476, Charter.....	3,073 03	1,169 22	4,096 97	.....	.....	.....
Total	\$679,935 58	\$105,881 22	\$610,871 94	\$34,083 84	.....	\$249 09 \$1,431,021 67
Meter Charges—						
Buildings	\$734,111 76	\$53,877 29	.....	.....	.....	.....
Steamboats	35,658 70	.....	.....	.....	.....	.....
Riverdale .....	.....	1,566 77	.....	.....	.....	.....
Total	769,770 46	55,444 06	274,281 94	21,632 60	1,072 49	1,122,201 55
Permits—						
Building purposes.....	\$6,542 40	\$1,043 65	\$5,969 31	\$466 90	.....	.....
Extras, boilers, etc.....	1,806 99	1,412 55	.....	.....	.....	.....
Tugs	6,695 00	.....	.....	.....	.....	.....
Taps	1,587 50	971 00	3,738 75	632 25	5 00	.....
Street sprinkling.....	2,066 66	.....	.....	.....	.....	.....
Total	19,298 55	3,427 20	9,708 06	1,104 15	.....	33,537 96
Miscellaneous .....	.....	.....	.....	40 05	.....	40 05
Repairs, labor, materials, etc.....	320 28	.....	1,151 14	.....	.....	1,471 42
Total Department collections.....	\$1,469,324 87	\$164,752 48	\$896,013 08	\$56,860 64	\$1,321 58	\$2,588,272 65
Bureau of Arrears—Collections.....	.....	.....	40,046 30	.....	.....	40,046 30
Receiver of Taxes—Collections.....	.....	.....	17,430 22	.....	.....	17,430 22
Total collections	\$1,469,324 87	\$164,752 48	\$953,489 60	\$36,860 64	\$1,321 58	\$2,645,749 17

The report of the Water Registrar, Brooklyn, J. Edward Eastmond, is hereto attached and marked "Document VIII."

CONTRACTS AND SUPPLIES.

I desire to call especially to your attention the report for the half year ending June 30, 1903, submitted by Edmond Beardsley, General Bookkeeper, and Frederick W. Shepard, in charge of the Bureau of the Central Office in Manhattan. This report is annexed and marked "Document IX." It contains a statement of all contracts for all boroughs let after advertisement for bids, a statement of all contracts entered into without such advertisement, and also a statement showing the approximate amount of purchases on open orders during the first half year (except for Brooklyn) from each business concern with which the Department has dealt. The purchases have been classified also according to the nature of the goods purchased.

The latter statement will be particularly valuable for comparison with similar statements for the last six months of this year and for the corresponding periods of 1902.

Respectfully,

ROBERT GRIER MONROE, Commissioner.

"DOCUMENT I."

Department of Water Supply, Gas and Electricity,
Bureau of Chief Engineer,
New York, December 15, 1903.

Hon. ROBERT GRIER MONROE, Commissioner:

Dear Sir—Herewith please find quarterly report of the operations of the Bureau of Chief Engineer of Manhattan, Bronx, Queens and Richmond for the quarter ending June 30, 1903.

In my first quarterly report I stated that \$125,000 of the \$600,000 originally asked for laying mains in Manhattan and The Bronx had been appropriated by the Board of Estimate and Apportionment. During the present quarter this Bureau has received appropriations as follows:

BOROUGHS OF MANHATTAN AND THE BRONX.

May 8.	For laying mains, etc.....	\$500,000 00
May 22.	For purchasing and placing water meters.....	45,000 00
May 1.	For laying new 12-inch main in Forty-fourth street	9,000 00
	Total	\$554,000 00

The money, however, thus appropriated will not be available for use until after the first of July. Anticipating, however, its immediate acquirement after that date, we are pushing contracts through the printers with a view to being ready to advertise at once for proposals to the amount of the appropriations received to date. The contract and specifications for water meters have also been prepared.

Including the issue of Corporate Stock and Revenue Bonds during the first quarter of the year, the total to date is as follows for Manhattan and The Bronx:

	Corporate Stock.	Revenue Bonds.
Jan. 16.	For purchasing property of New York and Westchester Water Company.....	\$660,501 74
Feb. 20.	For land (chapter 189, Laws of 1893).....	200,000 00
Mar. 13.	For operating, etc., plant of New York and Westchester Water Company.....	\$70,725 00
Mar. 27.	For laying mains	125,000 00
May 8.	For laying mains, etc.....	500,000 00
May 22.	For purchasing and placing water meters.....	45,000 00
May 1.	For laying new 12-inch main in Forty-fourth street	9,000 00
	Total.....	\$1,539,501 74
		\$70,725 00

BOROUGH OF QUEENS.

Although great stress was laid on the condition of the pumping stations and distribution system in Queens, when submitting my request to you for additional bonds for improvements in that borough, the Board of Estimate and Apportionment only issued \$10,000, to be used for rentals of additional fire hydrants. During the quarter appropriation was made on May 8 for improvements to pumping stations, extension and reconstruction of pipe lines, etc., \$200,000, giving us \$210,000 of the \$440,000 asked for to put the water service in this borough in proper condition.

BOROUGH OF RICHMOND.

No additional appropriations have been made for this borough during this quarter. The \$70,000 appropriated for the extension of mains in the Amboy road is in hand, and the contract and specifications for this work are being pushed.

BOROUGHS OF MANHATTAN AND THE BRONX.

Daily Consumption of Water.

Following will be found table giving statistics with relation to the flow of water in the Croton river, daily consumption, rainfall and waste over Old Croton Dam:

1. Observed Average Daily Flow of Croton River—

Sum of aqueduct flow and waste over dam, with no correction for lowering or refilling of storage reservoir.	Gallons.
April	666,200,000
May	263,200,000
June	482,800,000

Average per day in second quarter..... 468,400,000

2. Natural Average Daily Flow—

Computed from observed flow by deducting the quantity corresponding to lowering of storage reservoir or adding quantity taken to refill, without allowing for evaporation loss from storage reservoir.

Average per day in second quarter..... 467,300,000

3. Average Daily Flow of Croton River at New Croton Dam, Exclusive of Storage—

Computed from natural flow at old dam for the given year and month by adding 6.4 per cent. for increase in drainage area and deducting an allowance for the evaporation loss caused by substituting water surface for land surface in the new reservoir.

Average per day in second quarter..... 488,700,000

4. Computed Natural Flow of Croton River at Site of New Croton Dam—

Total number of gallons delivered in each month, exclusive of storage draft. The figures here are the monthly aggregates of the daily flow given under No. 3. June... 19,380,000,000

Total for second quarter..... 44,474,000,000

5. Average Daily Flow per Square Mile of Total Drainage Area at New Croton Dam—	April	1,937,000
Computed by dividing quantities of No. 3 by 360.4 square miles in gallons per twenty-four hours.	May	374,000
	June... .	1,792,000

Average per day in second quarter..... 1,357,000

6. Average Daily Consumption of Croton Water for Each Month—	April	261,000,000
April	May	265,000,000
May	June	264,000,000

Average per day in second quarter..... 263,000,000

7. Waste of Water Over Old Croton Dam—	April	12,202,000,000
April	June	6,965,000,000
	Total for quarter	19,167,000,000

8. Rainfall on Croton watershed, in total inches, depth each month, being the average of the rain gauges recorder at Croton Dam, Boyd's, Carmel, Muscoot, Middle Branch, Titicus and East Branch reservoirs.	April	2.07
	May	0.93
	June... .	11.29

Total for quarter

In the Bronx and Byram shed the rainfall was:	April	4.35
April	May	0.59
May	June	11.20

Total for quarter

The average daily consumption of water from the Bronx system was:	April	Gallons.
April	May	11,300,000
May	June	12,000,000
June		12,000,000

Adding to the amounts drawn from the Croton and Bronx system, water obtained from the City of Yonkers and the New York and Westchester Water Company, the total daily consumption in the two boroughs is:

Consumption for Second Quarter of 1903.

	April.	May.	June.
Croton water, gallons per day	261,000,000	265,000,000	264,000,000
Outflow from Kensico Reservoir	11,300,000	12,000,000	12,000,000
Westchester Water Company (Pelham Park Station), gallons per day	500,000	500,000	500,000
Yonkers Water Company	1,600,000	1,600,000	1,600,000
Total consumption.....	274,400,000	279,100,000	278,100,000

Water Waste Prevention.

The work which was inaugurated in the first quarter with regard to the prevention of water waste in the boroughs of Manhattan and The Bronx has progressed rapidly.

County Division.

In the Croton Basin the work of cleaning the swamp lands and underbrush has been rapidly pushed, and the Katonah Laboratory completed and put in operation. Daily samples are being collected from all the reservoirs and sent to this laboratory for bacteriological and biological examination, and these reports, we find, enable us to keep exact records of the condition of the water at all the reservoirs.

The condemnation proceedings in both the Croton, Bronx and Byram Watersheds are continuing, and much property has been cleaned during the quarter.

The following is a report of the work done along the aqueduct:

Dry Stone Masonry, Cubic Yards.	Earth Excavated, Cubic Yards.	Rubble Masonry, Cubic Yards.	Filling and Grading, Cubic Yards.	Concrete Walk Laid, Square Yards.	Flagging Laid, Square Feet.	Flagging Relaid, Square Feet.	Building Stone Hauled, Loads.	Earth Hauled, Loads.	Seedling and Sodding, Square Yards.	Fence Built, Linear Feet.	Fence Repaired, Linear Feet.	Fence Painted, Linear Feet.	Fence posts Set.
Division No. 1... .	..	..	20 ..	..	..	..	..	..	..	..	..	..	..
Division No. 2... .	..	17	..	..	..	..	..	..	..	4,317	..	..	..
Division No. 3... .	70	70	..	2	..	..	..	..	..	960	960	..	..
Division No. 4... .	22	..	..	..	..	..	30	55	..	1,336	580	1,466	..
Division No. 5... .	46	..	..	492	1,947	..	..	..	171	4,329	300	64	

Eighth Division—The work on this division has been, painting and repairing boats, taking lagging off of No. 3 pump, Ninety-eighth street, whitewashing the pipes in pipe vault, mason repairing furnace at Ninety-eighth street, cutting grass and keeping surface of water clean, putting lagging on No. 3 pump, cleaning stone gate-houses and screens at Ninety-third, One Hundred and Thirteenth and One Hundred and Nineteenth streets; painting in north gate-house, putting in new screens at One Hundred and Thirty-fifth street gate-house, repairing wire fences, patrolling Central Park reservoirs and pipe lines.

Pipes and Distribution.

I mentioned in the last report the handicap in starting the work of laying additional mains this year, because of lack of appropriations for this purpose. We continue to find the same difficulty, and before active work can be pushed, the proper contracts prepared, advertised and let, and the materials brought to the ground, the latter part of the summer or the early fall will have been reached. Under these circumstances, it is evident that a large proportion of the contracts let this year will be carried over until next year, on account of the short period intervening before the arrival of freezing weather. We have continued to take care of the reticulation system and make the necessary repairs. In this connection I wish to report that we have been greatly handicapped in replacing and making repairs to hydrants, as well as in the completion of such main extensions as are now under way, by reason of the poor facilities afforded by the parties furnishing this Department hydrants. We are practically unable to procure the shipment of sufficient New York Case hydrants to keep the ordinary repairs going, without considering the extensions, and the contractors for this work are far behind, although contracts were let in the fall of last year for four hundred hydrants, with a view to having the necessary hydrants on hand when the spring work commenced. On account of our experience in this line, together with the fact that the present hydrants are out of date, we are preparing plans for new hydrants, and will then be able to procure bids from several of the largest manufacturers who have sufficient capacity to meet the demands of the Department.

The following is a statement of the work done this quarter:

Contract for relaying water mains in the following location has been completed during the quarter:

West Farms Road—Home to Jennings Street.

Linear Feet of Pipe Laid—36-inch, 2,084; 20-inch, 14,443; 12-inch, 4,397; 6-inch, 4,997; total, 25,921.

Stop Cocks Set—20-inch, 2; 12-inch, 4; 6-inch, 19; total, 25.

Hydrants Placed—Double nozzle, "New York," 23; single nozzle, "New York," 1; "No. 1," 3; total, 27.

12.8 linear feet of 20-inch pipe laid.

150 linear feet of 6-inch pipe laid.

2 new 12-inch stop cocks and boxes set.

5 new 6-inch stop cocks and boxes set.

1 new 4-inch stop cock and box set.

15 additional "New York" hydrants set.

1 additional "Matthews" hydrant set.

2 AA hydrants in place of defective ones.

19 "New York" hydrants in place of defective ones.

2 12-inch stop cocks replaced.

2 6-inch stop cocks replaced.

1 12-inch stop cock repaired.

8 20-inch stop cocks repaired.

1 24-inch stop cock repaired.

1 48-inch main repaired.

5 48-inch stop cocks cleaned, greased and oiled.

20 36-inch stop cocks cleaned, greased and oiled.

7 30-inch stop cocks cleaned, greased and oiled.

9 24-inch stop cocks cleaned, greased and oiled.

55 20-inch stop cocks cleaned, greased and oiled.

Mechanical Division.

As before reported, we are still having great trouble with the Worthington Company in procuring deliveries. The machinery at One Hundred and Seventy-ninth Street Pumping Station, started on March 21, has been in almost continual operation since that time. So soon as this engine was started, it was found that the old pumps were in very bad repair, and, as a result, we have been continually at work endeavoring to put them in proper condition. The capacity of the station has been increased but a very small amount, as we have had to shut down as many as two of the old pumps at one time, and therefore the benefit of the increased pumppage from One Hundred and Seventy-ninth Street will not be felt until probably the fall of the year. The second 15,000,000-gallon engine, which the Worthington Company promised to deliver on May 31, has not yet arrived on the ground.

The repairs to the 10,000,000-gallon engine at the Ninety-eighth Street Pumping Station have been completed, and, as soon as possible, repairs will be started on one of the 7,500,000-gallon pumps.

The work at the Jerome Park Pumping Station is progressing at a good rate of speed.

Complaints and Services.

Below will be found a statement of the work done in this division:

	169
New hydrants set.....	169
Old hydrants repaired.....	3,214
New stop cocks set.....	11
Stop cocks repaired.....	362
Defective mains repaired.....	213
Taps shut off at main (defective or dead service pipes).....	316
Hydrants found improperly closed (closed properly).....	490
Linear feet of Croton pipe used in repairs to mains.....	579 1/2
Permits to tap on Croton mains, Manhattan.....	351
Permits to tap on Croton mains, The Bronx.....	233
	584
City fountains and horse troughs repaired by City Plumber.....	63
New horse troughs set.....	1
Old horse troughs replaced by new ones.....	5
Permits for 6-inch connections granted.....	1
Permits for 4-inch connections granted.....	8
Permits for 3-inch connections granted.....	3
Permits for 2-inch connections granted.....	33
	45

In addition numerous complaints have been attended to and inspections made to detect illegal use of water.

General Inspection.

The work of examining and inspecting the valves and hydrants has been continued as far as possible with the extra work entailed by the water waste investigations which have been carried on during this quarter. The water waste investigations were considered so important at this time, in view of their especial value to the studies of the Commission on Additional Water Supply, that the real work of this division has been somewhat neglected. This, however, can easily be made up during the coming winter. The card index system before reported on is now in a complete state, and every foreman is reporting regularly when a valve is inspected or changed.

Below will be found a summary of the gates used and inspected in the boroughs of Manhattan and The Bronx.

4 4-inch gates; 1,110 6-inch gates; 382 12-inch gates; 1 16-inch gate; 53 20-inch gates; 7 24-inch gates; 8 30-inch gates; 19 36-inch gates; 5 48-inch gates; total, 1,589.

Accounting Division.

Attached please find summary of expenditures for the several boroughs during the past quarter:

Summary of Expenditures for the Quarter Ending June 30, 1903.
BOROUGHS OF MANHATTAN AND THE BRONX.

	Quarter Ending June 30, 1902.	Quarter Ending June 30, 1903.				
	Previous Appropriations Paid in 1902.	Appropriations of 1902.	Payments During Second Quarter, 1902.	Previous Appropriations Paid in 1903.	Appropriations of 1903.	Payments During Second Quarter, 1903.
Additional fire hydrants Bronx River Works, maintenance and repairs.....	\$962 40	\$9,961 58	\$10,923 98	\$84 02	.....	\$84 02
Bronx River Works, maintenance and salaries.....	1,702 62	6,058 15	7,760 77	768 48	\$3,885 96	4,654 44
Bureau of Chief Engineer, salaries.....	.....	975 00	975 00	.....	975 00	975 00
Croton water system, maintenance.....	3,856 16	77,275 49	81,131 65	27,259 90	64,825 02	92,825 84
Croton water system, salaries.....	.....	8,999 41	8,999 41	.....	7,874 30	7,874 30
Laying Croton pipe.....	1,858 46	.....	18,305 84	1,600 70	.....	1,933 11
Laying Croton pipe, salaries.....	16,447 38	.....	332 41	.....	.....	.....
Public drinking hydrants.....	.....	2,989 33	2,989 33	.....	.....	.....
Repairing and renewal of pipes, etc.....	131 25	61,300 60	61,576 44	11,900 64	49,397 26	61,297 90
Supplies and contingencies.....	144 59	.....	.....	78 50	30 00	108 50
Water supply for the Twenty-fourth Ward.....	.....	354 60	354 60	.....	4,948 44	4,948 44
Total	\$25,102 86	\$171,825 76	\$196,928 62	\$42,765 57	\$136,492 32	\$179,257 89
Revenue Bond Fund, for operating, etc., N. Y. and West Water Co. plant.....	.....	.....	9,926 40	.....	.....	2,711 97
Additional Water Fund.....	.....	.....	30,670 89	.....	.....	72,544 15
Water Fund, Manhattan and Bronx.....	.....	.....	119,953 46	.....	.....	195,663 00
Water Main Fund No. 3.....	.....	.....	10,791 72	.....	.....	58,039 33
Total .....	.....	.....	\$368,271 09	.....	.....	\$508,216 34

BOROUGH OF QUEENS.

	Quarter Ending June 30, 1902.	Quarter Ending June 30, 1903.				
	Previous Appropriations Paid in 1902.	Appropriations of 1902.	Payments During Second Quarter, 1902.	Previous Appropriations Paid in 1903.	Appropriations of 1903.	Payments During Second Quarter, 1903.
Laying water mains.....	\$511 82	.....	\$511 82	.....	.....	.....
Maintenance and repairs of water pipes, etc.....	.....	\$5,198 18	5,198 18	\$99 00	\$7,546 87	\$7,645 87
Pumping stations, fuel and supplies.....	6,076 24	567 19	6,643 43	26 33	3,577 03	10,164 27
Rental of fire hydrants.....	60 00	.....	60 00	.....	.....	.....
Salaries, office of Deputy Commissioner.....	.....	4,766 53	4,766 53	.....	5,300 75	5,300 75
Salaries, pumping stations.....	.....	7,677 20	7,677 20	.....	8,143 90	8,143 90
Contingencies.....	2 45	201 72	204 17	.....	.....	.....
Supplies and contingencies.....	.....	.....		

Men working at Corporation Yards and at pumping stations at various times during the quarter.

Mechanical Division.

The repair work on the pumping stations has been continued and the contracts for the scales, coal bins and storehouses have been completed. Two pumps have been completely overhauled. The draughting room is busily engaged on drawings and specifications for the complete rehabilitation of all the stations, including new boilers and new pumps where needed, extension of the artesian well system, repairs to buildings, new stacks at two of the stations and other work, together with the removal of the College Point standpipe to the same level as the Flushing standpipe, and an increase in the size of the force main from Flushing and Bayside stations.

BOROUGH OF RICHMOND.

Pipes and Distribution.

Contract for extending the main on the Amboy road has been prepared and advertised, which will extend the Tottenville service for several miles in the southern end of the Island.

Mechanical Division.

Contract was let during this quarter for the installation of two new water tube boilers at Tottenville Pumping Station, the old ones having been in service a long time and too small for the station with the increased demands which it will have to meet when the extension of the main up the Amboy road is completed.

Respectfully yours,

NICHOLAS S. HILL, Jr.

"DOCUMENT II."

City of New York, Borough of Brooklyn,
Department of Water Supply, Gas and Electricity,
Chief Engineer's Office, Room 25, Municipal Building,
Brooklyn, N. Y., July 15, 1903.

ROBERT VAN IDERSTINE, Esq., Deputy Commissioner:

Sir—The following report shows the condition of the water supply in the Borough of Brooklyn, the work done in connection with the same for the quarter ending June 30, 1903, the receipts for metered and unmetered water, and the expenditures provided for under the Water Revenue Budget prepared by this Bureau, as well as those items of the Tax Levy Budget chargeable to engineering work:

Financial—Receipts and Expenditures.

Receipts.

Regular water rates	\$606,774.97
Metered water rates	274,281.94
Default, arrears, etc.	21,527.19
<hr/>	

Total receipts

\$902,584.10

Expenditures (Water Revenue Budget).

Chief Engineer's Bureau—	
Salaries and wages	\$113,702.83
Materials and supplies	112,609.96

\$226,312.79

Repairs to Distribution and Complaints—

Salaries and wages	\$50,353.09
Materials and supplies	3,811.75

54,164.84

Expenditures (Tax Levy Budget).

Salaries—	
Office of Chief Engineer	\$462.50
Laboratory	1,674.99

2,137.49

Supplies—

Contingencies	\$2,420.66
Rental of fire hydrants	6,250.00

8,670.66

Total expenditures

\$291,285.78

Average Daily Consumption, United States Gallons.

System.	April.	May.	June.	Three Months.
Ridgewood supply—				
Ridgewood low service	87,174,762	87,669,292	85,922,580	86,930,421
Mount Prospect low service	4,890,350	5,267,619	4,659,559	4,942,782
Mount Prospect high service	3,317,233	3,362,903	3,361,366	3,347,341
Total Ridgewood	95,382,345	96,299,815	93,943,496	95,220,544
Gravesend	2,437,910	2,691,081		
New Utrecht	1,386,316	1,408,412	3,420,667	3,784,957
New Lots	3,818,900	4,354,171	3,326,387	3,838,878
Total	103,025,471	104,753,479	100,690,550	102,844,379

Storage and Reservoirs, United States Gallons.

Reservoir.	April 1, 1903.	July 1, 1903.	Gain.	Loss.
Ridgewood Basin No. 1	60,283,000	61,449,400	1,166,400	...
Ridgewood Basin No. 2	70,009,100	73,735,200	3,726,100	...
Ridgewood Basin No. 3	118,167,100	122,215,500	4,048,400	...
Mount Prospect	20,895,100	20,895,100	...	...
Hempstead	825,102,000	841,039,000	15,937,000	...
New Lots	3,515,300	3,331,600	...	183,700
Total	1,097,971,600	1,122,665,800	24,877,900	183,700
Net Gain				24,694,200

Rainfall—Inches.

Location.	April 1903.	May 1903.	June 1903.	Total 1902. 1903.
Municipal Building	3.39	3.19	1.20	0.44
Hempstead Reservoir	3.62	3.98	1.01	0.40

5.87 8.76 10.46 12.39

6.03 9.58 10.66 13.96

General Condition of the Supply.

The heavy rainfalls of June, which commenced before the effects of the drought extending from the middle of April to the early part of June had hardly begun to be apparent, have made it unnecessary to draw any water from the Hempstead Storage Reservoir, and at the end of the quarter all the reservoirs were practically full. The maximum amount of water in storage during the quarter was 1,157,000,000 gallons, on May 11, and at the end of the quarter the amount in storage was 1,123,000,000 gallons. The large rainfall has enabled us to provide all the water required to meet the consumption without drawing from any of the driven well stations east of Millburn, and even with a reduced pumping from the driven well stations between Ridgewood and Millburn.

While the engines at Millburn have been run at their maximum safe capacity, the following amount was wasted from the ponds east of Millburn during the quarter:

	Gallons.
Millburn pond	312,413,062
East Meadow pond	785,950,800
Newbridge pond	91,357,600
Wantagh pond	370,469,200
Massapequa pond	206,891,700
Total	1,767,082,362

This shows a waste at an average rate of nearly 20,000,000 gallons per day, but upon the completion of the new engines at Millburn a portion of the water now wasted from these ponds could be saved.

In the distribution system the insufficient capacity of the present mains has caused a number of complaints to be made of lack of pressure. The trunk mains now under contract, together with those proposed, for which appropriations have been made will greatly improve these conditions. Further relief will be obtained when the plans outlined for removing the tuberculated pipe and replacing it with new and larger pipe are carried out.

Extension of Distribution.

A contract has been prepared and is about ready to forward, covering all the extensions of distribution mains favorably reported on up to June 4. This contract will cover the extension on seventy-five streets and avenues, and the cost of the work, including engineering and contingencies, will amount to approximately \$130,000. This cost will be charged against the balance from the fund for laying water mains derived from the sale of bonds authorized previous to January 1, 1902, and also from the balance of the appropriation of \$175,000 for laying water mains appropriated in May, 1902. The following work has been done in laying additional distribution pipe:

Water Mains Laid.	12 Inches.	8 Inches.	6 Inches.	Total.
Linear feet	5,539	16,258	2,934	24,731
Water gates set	12	49	17	78
Fire hydrants set (with 1,029 lin. ft. of 6-in. branches)	..	..	..	68

Favorable reports were made on petitions for twenty-seven streets, covering a total distance of 36,000 feet, and petitions for fifteen streets were reported on unfavorably.

The contract awarded to Mr. John Hann, dated April 7, 1902, and assigned to Mr. Isaac Harris, was completed on June 30. Mr. Harris commenced work on April 25 on his contract dated April 18, 1903, and has about completed the 12-inch main to be laid in Bridge street, running from the 48-inch main on Willoughby street to 6-inch main on Sands street. This main will increase the pressure in the area bounded by Fulton street, East river, Navy street and Johnson street. He also expects to shortly commence laying the 12-inch main from the 16-inch high service main on Flatbush avenue to the Clinton avenue district, where the pressure has been extremely inadequate for a number of years.

PUMPING STATIONS.

Mt. Prospect, Gravesend and New Utrecht.

The pumping at the Mt. Prospect station has been less during this quarter than for the corresponding quarter of last year, this being mainly due to the cutting off of leakage from the high service system into the Ridgewood reservoir system. The average amount of water pumped per day during the quarter was as follows:

Year.	Reservoir. Gallons.	Tower. Gallons.
1902	5,473,700	3,212,700
1903	4,955,600	3,351,400

The third boiler has been installed and was tested on June 16, 1903, the boiler being first put under steam on May 26, and being put in use on June 3, 1903. The results of the tests showed that the boiler exceeded the contract requirements, and the temporary boiler will now be removed.

Minor repairs have been made as required at the Gravesend station, and the station has been operated at its normal rate of about 3,000,000 gallons per day; the engines and boilers at this station are in poor condition and the station will be abandoned upon the completion of the proposed new station.

The New Utrecht station was shut down on June 10, to enable necessary repairs to be made to the steam pipe, valves, etc. New well points will have to be driven before the station can be started, as the present points are so badly clogged as to render them useless. The water which was supplied from this station has been furnished by increasing the pumping at the Gravesend station and by the Ridgewood reservoir service.

Some complaint has been caused by residents in the Thirty-first

The following schedule gives a summary of the work of cleaning closets and cesspools on the watershed:	
Near Foster's Meadow stream	420
Near Springfield stream	570
Near Valley Stream	169
Near Pines stream	123
Near Hempstead	2,363
Near Schodack brook	124
Near Millburn stream	70
East Meadow stream	102
Near Wantagh stream	169
Along conduit line	691

The total cost of this work during the quarter was \$960.72.

Protection from Pollution.

The map of nuisances on our watershed has been brought up to date and a detailed survey is being made of all the present and possible sources of pollution so as to locate the latter. The parcels on this map will be classified according to the greater or lesser danger of pollution to be avoided, so that when making purchases we shall be able to select those from which the greatest danger of pollution is to be apprehended. It has already been repeatedly stated in past reports that the danger of pollution of our surface supply yearly increases with the settlement and development of our watershed, and that to prevent contamination purchases of land in some cases and filtering of the water in others will become necessary, the proper measures to be taken depending on the cost and local conditions. In the last quarterly report I stated that generally speaking it would probably be preferable to filter in the case of streams west of Rockville Centre, and, at least for some time to come, to purchase land to secure protection on the streams east of Rockville Centre.

Filter Plants at Baiseley's and Springfield.

The reconstruction of these plants is practically completed, but the controllers which are to be furnished by the City have not been delivered. The contract for these controllers was signed on June 9, 1903, the contractors being notified to begin work on them on June 27. It will not be possible to commence the test of these filters until the latter part of the summer.

Water Analyses.

The systematic analysis of our water supply, both from individual sources, reservoirs and the City taps, has been continued, 553 samples of the Brooklyn supply being collected and analyzed. The condition of the water is shown by the following table:

Locality.	Tur-bidity.	Color.	Alb. Am.	Free Am.	Chlo- rine.	Micro- organisms.	Bac- teria.
Ridgewood—							
Ave. influx	2	21	.066	.021	10.1	129	316
Basin 1, efflux	3	20	.064	.012	13.2	339	270
Basin 2, efflux	4	22	.088	.009	13.6	1,106	253
Basin 3, efflux	5	22	.088	.007	13.0	1,455	234
Mount Prospect Reservoir	8	17	.116	.013	9.5	2,981	230
Taps, average	4	19	.075	.008	....	991	209

Contracts.

The following contracts have been prepared and forwarded during the quarter: For furnishing, delivering and laying water mains and removing existing water mains in Columbia, Furman, Fulton, Water, Gold, Nassau, Nevins, Smith, Bond, Willoughby, Schermerhorn and Livingston streets; in Atlantic, Flushing, Clason and Kent avenues; in Boerum, Grove, Hanover, Elm and Gallatin places and in Red Hook lane.

For retubing Morris boilers Nos. 1, 2, 3, 5, 6, 7, 8 and 9, at the Ridgewood Engine House.

For furnishing all the necessary materials and constructing two filter beds, with all their appurtenances complete, near the Hempstead Storage Reservoir, Hempstead, L. I.

For furnishing and delivering cast iron pipe and special castings.

For furnishing and delivering stop-cocks.

For furnishing and delivering sleeves and gates for tapping machines.

For furnishing and delivering caulking lead and caulking yarn.

For furnishing all the necessary materials for and constructing two filter beds, with all their appurtenances complete, at the upper pond near the Forest Stream Pumping Station, Rosedale, L. I., including the removal of muck from the bed of the ponds.

For furnishing, delivering and laying trunk water mains in Broadway, Park avenue, Sumner place and Humboldt street.

The following are the contracts for which bids were received, together with the name of the lowest bidder and the total amount of the bid, on the basis of the Engineer's estimate:

For retubing Morris boilers Nos. 1, 2, 3, 5, 6, 7, 8 and 9 at the Ridgewood Engine House.

Edwin Burhorn, \$5,498.

For furnishing and delivering single and double nozzle case fire hydrants:

Camden Iron Works, \$11,530.

For furnishing, delivering and laying a 36-inch cast iron main, including all the necessary appurtenances, on Atlantic avenue, between Carlton and Flatbush avenues.

John J. Cashman, \$24,938.50.

For furnishing and delivering controllers for Springfield and Jameco filters.

New Jersey Foundry and Machine Company, \$3,495.

For furnishing and delivering semi-bituminous and anthracite coal in the following amounts:

Section I.—22,800 gross tons of semi-bituminous coal.

Section II.—43,700 gross tons of anthracite coal.

For Section I., Morrisdale Coal Company, \$88,868.50.

For Section II., Rudolph Reimer, \$231,255.

For furnishing, delivering and laying a 48-inch cast-iron force main, together with all appurtenances complete, from the Ridgewood pumping station, along Atlantic avenue, East New York avenue and Eastern parkway to the Mt. Prospect high service tower.

J. J. Cashman, \$422,247.50.

For furnishing, delivering and laying a 48-inch water main at the Ridgewood reservoir, in Cypress Hills, Myrtle avenue and Broadway.

New York Continental Jewell Filtration Company, \$236,750.

For remodelling and extending the Wantagh pumping station, near Wantagh, L. I., including the pumping plant, pump well and infiltration gallery system, together with the necessary appurtenances.

New York Continental Jewell Filtration Company, \$130,285.

For remodelling and extending the Watts Pond pumping station, near Valley Stream, L. I., including the pumping plant, pump well and infiltration gallery system, together with the necessary appurtenances.

J. McFerran, \$125,062.50.

For furnishing and delivering lubricating and illuminating oils and lubricating grease.

William E. Burke, \$2,977.25.

Infiltration Galleries.

Complete property maps were prepared for the Wantagh and Massapequa Infiltration Galleries and forwarded to you. The Wantagh map covered a strip of land 12,200 feet in length, varying from 20 to 300 feet in width, and including 39 parcels, covering over 46,093 acres. The Massapequa strip is 19,300 feet in length and varying from 200 to 300 feet in width. It also includes the two ponds south of the line of the proposed galleries which would probably be affected by their operation.

This map included 29 parcels, covering 155.30 acres. An appropriation of \$350,000 has been asked for the construction of the Massapequa Infiltration Gallery. The lowest bids received for the Watts Pond and Wantagh galleries have already been given and were very close to the estimated cost of the galleries.

Filter Beds.

Detailed plans, specifications and contracts have been prepared for the filter beds below the Hempstead Storage Reservoir to filter the flow from Horse brook and below the Forest Stream Pumping Station to filter the flow from Simonson's stream. These beds will be constructed without any impervious bottom or sides, the collecting pipes being laid in sand below the normal water level. By placing the drains below the normal water level the filters will discharge not only the water allowed to flow on the beds, but also a portion of the water passing through the saturated sand beneath the filter bed. This form of construction is comparatively low in cost, the estimated cost per acre for the Simonson's bed being \$17,687.50, and for the Hempstead beds about \$10,000. The construction of these beds will enable us to filter the two streams and save the loss of the greater part of the water at present flowing in Horse brook, which is now wasted below Smith's pond.

New Trunk Mains.

Bids were received on June 16 for a 48-inch trunk main from Ridgewood Reservoir to Broadway and Park avenue, and on June 18 for a 48-inch force main from Ridgewood engine house to the Mount Prospect tower. As has already been stated, the lowest bid for the trunk main was submitted by the New York Continental Jewell Filtration Company, their total bid amounting to \$236,750, and the lowest bidder for the force main was Mr. John J. Cashman, his total bid amounting to \$422,247.50. As soon as these contracts are signed work can be commenced, and the completion of the mains should greatly relieve the low pressure existing in certain parts of the City. A contract has been prepared covering the extension of the trunk main from Park avenue and Broadway down Park avenue to the 20-inch main on Throop avenue, and along Broadway and through Humboldt street to the 30-inch main on Devoe street. These three contracts will utilize all the money available under the appropriation of \$750,000, made on February 20, 1903.

Removal of Old Mains.

The form of contract for the removal of the old mains along a portion of the water front and the dry goods district has been completed. The cost of this work will be charged to the appropriation of \$200,000 made for that purpose on February 20, 1903. Plans have been prepared for a contract for the removal of old pipe in all the streets (except in the outlying wards) where service mains 20 inches and larger in diameter are to be placed. The estimated cost of this work is \$450,000, and as soon as the requisite appropriation is made the contracts will be prepared.

The removal of the old pipe and the laying of the new large service mains should overcome the difficulty which has been experienced from lack of water supply throughout the borough for fire purposes, and should also increase the pressure, especially in those sections which lay at some distance from the large distribution mains.

Removal of the 48-Inch Main on Atlantic Avenue.

The contract has been advertised for laying a 36-inch main to replace the existing 48-inch main on Atlantic avenue from Carlton avenue to Fourth avenue. The existing main lays over the line of the tunnel of the Long Island Railroad and will have to be abandoned. The flow in the main is such that the 36-inch main can readily carry the water, with only an extremely slight increase in fractional loss of head.

Pitometers.

Early in the quarter observations were commenced on the various trunk mains in the City to determine the amount of water at present flowing through those sections where additional trunk mains were required. These observations have been carried on by means of the Cole-Flad pitometer, giving the actual flow in the main at a comparatively small cost. The total number of taps made on the trunk mains were 56; the total number of observations taken 77; the average cost of each tap, together with the taking of the observations, working out of the same and averaging the results, was as follows:

For materials (including boxes, taps, rental of pitometers, etc.)	\$15 41
For labor in the field (including Engineer, Assistants, relaying of pavement, etc.)	40 87
For office work (including computations, maps, etc.)	5 76
Total, per tap	\$62 04

This work has been carried on with a field force consisting of 1 Engineer, 3 Assistants, 1 Foreman, 1 Tapper, 27 Laborers (greatest number at one time) and 1 horse and wagon. Upon the completion of the observations of the flow through the trunk mains, work was commenced on the determination of the consumption in various sections of the City. District No. 1 was a district supplied by the Mt. Prospect tower and covered an area of about 120 acres, the number of inhabitants being 4,500, and the number of buildings being 523. The first observations showed the night flow was excessive, and by cutting off the street mains one by one between the hours of 11 p. m. and 5 a. m. it was discovered that a 20-inch gate which was apparently closed, was opened sufficiently to allow about 400,000 gallons daily to flow into the Mt. Prospect reservoir service. This gate was tightly closed, and when the flow into the district was again measured the night flow was greatly reduced. Final observations have not been completed as yet on this district. Observations are also being carried on in four other districts, one representing the dry goods district, another the tenement house district, the third a mixed residential and business district, and the fourth a manufacturing district along the river front. The results of these examinations will be tabulated and complete information obtained as to the use and waste of water in the districts. In doing this work the Bureau of Water Rates has carried on a house-to-house investigation to determine the number of people supplied and the leakage in house fixtures, together with other information in the district which was being pitometered. By the end of the coming quarter the results should show the value of the pitometer observations in the Borough of Brooklyn for determining the leakage and waste.

Records.

The extraordinary increase in the work of this Bureau has compelled us to fall back considerably in keeping up our records. It is to be hoped that by a temporary increase in our office force we may bring these records to date, thus enabling our regular force to keep them up afterwards as hitherto.

Development of Underground Supply.

The observations to determine the velocity of the underground flow have been continued, and the results so far justify our expectations as to the supply to be obtained from these galleries. It is expected that the surveys for the location of additional infiltration galleries will soon be commenced.

Soil Studies.

These have been continued sufficiently to determine the effect of the soil in purifying the water, and the results obtained establish the fact that in the peculiar sand formation of the Long Island south side slope, which is practically a natural filter, the water, after passing through comparatively small depths or thicknesses of sand, is safe for consumption. In the Annual Report these results and those of analogous studies will be duly tabulated and summed up.

Yours very truly,

I. M. DE VARONA, Chief Engineer.

"DOCUMENT II. A."

Office of Distribution and Repairs.
Permits, Repairs, Etc.

	Leaks in Distribution.			
	April.	May.	June.	Total.
4-inch.	2	2	..	4
6-inch.	5	6	10	21
8-inch.	3	4	3	10
10-inch.	1	..	..	1
12-inch.	17	2	2	21
20-inch.	3	2	1	6
36-inch.	1	..	..	1
48-inch.	4	3	1	8
Total.	36	19	17	72
Drinking hydrants repaired.	4	1	29	34
Fire hydrants repaired.	470	433	470	1,373
Leaks reported by Inspectors.	48	50	57	155
Premises cut off.	16	8	11	35
Taps driven and inspected.	286	272	114	672
Complaints of violations.	38	33	26	97
Permits for extension.	136	64	78	278
Permits for new and old buildings.	201	187	209	597
Permits to cement sidewalks, etc.	162	163	113	438
Stop cocks repaired.	56	100	41	197
Street opening permits.	644	604	481	1,729
Draw tap and plug permits.	16	17	14	47
Special water permits.	36	39	40	115

Western District Repair Yard.

Fire Hydrants—

New fire hydrants set.	3
New fire hydrants set in place of old ones.	1
Good fire hydrants set in place of old ones.	90
Fire hydrants cleaned and oiled.	269
Fire hydrants moved.	1
Fire hydrant valves closed.	181
Fire hydrants "blown off".	28
Fire hydrant nozzles recalked.	43
Fire hydrant stuffing boxes replaced.	26
Fire hydrant service joints recalked.	5
Fire hydrants removed and services capped.	6
New handles put on fire hydrants.	21
New jam-nuts put on fire hydrants.	22
New screws put on fire hydrants.	10
New bolts put on fire hydrants.	48
New latches put on fire hydrants.	20
New nozzles put on fire hydrants.	25
New facings put on fire hydrants.	14
New top-nuts put on fire hydrants.	13
New tops put on fire hydrants.	1
New casings put on fire hydrants.	1
New caps put on fire hydrants.	1
New chains put on fire hydrants.	23
New sockets put on fire hydrants.	37
New washers put on fire hydrants.	1
New stuffing boxes put on fire hydrants.	5
New binders put on fire hydrants.	1
New valves put on fire hydrants.	9
New slides put on fire hydrants.	3
New bends put on fire hydrants.	1
New wedges put on fire hydrants.	1
New wastes put on fire hydrants.	3
Fire hydrant chains repaired.	20
Fire hydrants tightened.	4
Fire hydrants repaired temporarily.	1
Fire hydrant wastes plugged.	3
Fire hydrant casings reset.	1
Gates put on fire hydrant nozzles.	5

Drinking Hydrants—

New drinking hydrants set.	1
Good drinking hydrants set in place of old ones.	4
Drinking hydrants moved.	1
Drinking hydrants removed.	2
Drinking hydrants shut off at stop cock.	10
Drinking hydrants turned on at main.	1
Drinking hydrant wastes cleared.	1
New springs on drinking hydrants.	1
New washers on drinking hydrants.	7
New bolts on drinking hydrants.	29
New nozzles on drinking hydrants.	1
New handles on drinking hydrants.	3

Leaks—

Service Pipes:	
Shut off at main.	13
Shut off at stop cock.	2
Owners notified.	36
Left in charge of plumbers.	12
Services hammered up.	3
Services plugged.	3
Services pumped out.	1

Service Pipes—

New 3/4-inch taps put in to replace broken ones.	3
Taps redriven.	5
New 3/4-inch taps driven.	2
New 5/8-inch taps driven.	2

Mains—

6-inch joints recalked.	9
8-inch joints recalked.	1
12-inch joints recalked.	16
20-inch joints recalked.	6
36-inch joints recalked.	1
48-inch joints recalked.	8
6-inch broken mains repaired.	2

Gates—

New 6-inch gates set.	2
New 8-inch gates set.	1
New 6-inch gates set to replace broken ones.	2
New gate boxes set.	2
New gate box covers.	2
New screws.	1
New top-nuts.	1
6-inch gates repacked.	4
12-inch gates repacked.	1
6-inch gates cleaned and oiled.	1
20-inch gates cleaned and oiled.	1
30-inch gates cleaned and oiled.	1
Gate boxes set to grade.	1
Gates opened.	1
Gates closed.	1

New Branches—

6 by 4 branches cut in.	6
8 by 4 branches cut in.	6
12 by 4 branches cut in.	3
30 by 12 branches cut in.	1

New Meters Tested.

	5/8-Inch.	3/4-Inch.	1-Inch.	1 1/2-Inch.	2-Inch.	3-Inch.	4-Inch.	6-Inch.
Thomson	217	28	28	4	5	8	6	4
Trident	221	14	11	1	8	2	..	..
Crown	10	2	2	2	..	..	..	..
Worthington	6	3	4	1	6	3	6	1
Gem	..	..	..	..	1	1	..	..
Standard	33	1	..	..	..	..	..	..
Nash	13	3	1	1	2	..	..	..
Hersey	..	..	..	..	..	1	..	..

Meters Repaired by Meter Companies and Tested at Yard.

	5/8-Inch.	3/4-Inch.	1-Inch.	1 1/2-Inch.	2-Inch.	3-Inch.	4-Inch.	6-Inch.
Thomson	33	5	8	2	4	1	1	2
Trident	20	3	4	..	..	1	1	..
Crown	36	11	9	1	..	..	..	..
Worthington	2	..	2	2	3	1	..	..
Standard	4	1	..	..	..	..	..	..
Gem	..	..	..	..	8	1	..	..
Nash	2	..	1	..	..	..	..	..

Miscellaneous—

Repavings	28
Patent sidewalks repaired.	5
Districts shut down for contractors.	4
Reflaggings	23
Water turned on.	2
Pressures taken.	2
Three-way branch cut out.	1
Fire service cut off.	1
Cementings	1
Filled in around fire hydrants.	1
Filled 12-inch main.	1
Three-eights-inch taps drawn.	1
Main moved for sewer.	1
Cut out 12-inch main.	1
Relaid 12-inch main.	1
Branches cut out and plugged.	1

Laid 432 feet of 6-inch pipe, foot of Dikeman street.

Eastern District Repair Yard.

Fire Hydrants—	

<tbl_r cells="

East New York Repair Yard.

Fire Hydrants—

New fire hydrants set.....	8
Fire hydrants taken out for repair.....	13
Fire hydrant valves closed.....	43
Fire hydrant stuffing boxes repacked.....	17
Fire hydrants raised to grade.....	2
Fire hydrants lowered to grade.....	11
Fire hydrants moved to curb.....	5
Fire hydrants protected.....	1
Fire hydrants cleaned and oiled.....	1
Fire hydrant nozzles recalked.....	30
Cross bars put on fire hydrants.....	2
New valves put on fire hydrants.....	3
New screws put on fire hydrants.....	22
New sockets put on fire hydrants.....	9
New caps and chains put on fire hydrants.....	27
New nozzles put on fire hydrants.....	20
New jam-nuts put on fire hydrants.....	16
New "T" handles put on fire hydrants.....	13
New covers put on fire hydrants.....	11
New latches put on fire hydrants.....	5

Leaks—

Service Pipes—

Owners and agents notified.....	14
Taken charge of by plumbers.....	2
Taps shut off at main.....	17
New* taps redriven.....	2

Distributing Mains—

Joints recalked on 48-inch mains.....	14
Joints recalked on 12-inch mains.....	2
Joints recalked on 6-inch mains.....	17

Force Mains—

Joints recalked on 42-inch force mains.....	14
Joints recalked on 36-inch force mains.....	2
Joints recalked on 30-inch force mains.....	17

Gates—

New gates put in.....	1
New gates put in in place of broken and useless ones.....	1
Gates lowered to grade.....	1
New top-nuts.....	1
New screws.....	1
Stuffing boxes repacked.....	1
New gate boxes set.....	1
Gate boxes lowered to grade.....	1
Gate boxes raised to grade.....	1
New covers on gate boxes.....	1

Branches—

8 by 6 3-way branches cut in.....	1
8 by 8 3-way branches cut in.....	1
8 by 6 4-way branches cut in.....	1
6 by 6 3-way branches cut in.....	1

Miscellaneous—

Repavings around services, mains, hydrants and gate boxes.....	20
Sidewalks cemented.....	1

Lowered 932 feet of 6-inch water main.

Laid 492 feet of 6-inch pipe on Barbey street, south of Pitkin avenue.

Laid 322 feet of 8-inch pipe on Hopkinson avenue, north of East New York avenue.

Coney Island Repair Yard.

Fire Hydrants—

Fire hydrants repaired.....	346
New fire hydrants set.....	1
New fire hydrants set in place of broken ones.....	2
Good fire hydrants set in place of broken ones.....	5
Fire hydrant nozzles recalked.....	47
Fire hydrant valves closed.....	19
Fire hydrant wastes cleared.....	124
Fire hydrants cut out and services capped.....	1
Joints on fire hydrant services recalked.....	6
New nozzles put on fire hydrants.....	29
New sockets put on fire hydrants.....	84
New jam-nuts put on fire hydrants.....	59
New valves put on fire hydrants.....	159
New rods put on fire hydrants.....	26
New bonnets put on fire hydrants.....	11
New casings or frost jackets put on fire hydrants.....	3
New caps, chains and eye bolts put on fire hydrants.....	24
New top-nuts put on fire hydrants.....	1

Leaks—

Mains—	14
New joints put in.....	1
Joints recalked.....	138

Service Pipes—

Owners notified.....	1
Taps shut off at main.....	19

Gates—

New gates put in.....	7
New gates put in in place of broken ones.....	3
Gates cleaned, oiled and repaired.....	151
Stuffing boxes repacked.....	138
Joints on gates recalked.....	1
New screws.....	9
New bolts.....	11
New bonnets.....	3
New rubber gaskets.....	1
New top nuts.....	5
New gate boxes set.....	7
Gate boxes set to grade.....	19

Branches—

New branches cut in.....	8
--------------------------	---

Miscellaneous—

Drinking hydrant set.....	1
Water shut off for contractors.....	5
Water turned on new mains.....	7

Laid 300 feet of 4-inch pipe on West Twenty-first street, south of Surf avenue.

Laid 200 feet of 4-inch pipe on West Twenty-third street, south from Surf avenue.

Respectfully submitted,

HENRY HAWKES, Superintendent of Repairs.

"DOCUMENT III."

Department of Water Supply, Gas and Electricity,
Bureau of Lamps and Gas,
New York, July 15, 1903.Hon. ROBERT GRIER MONROE, Commissioner, Department of Water Supply,
Gas and Electricity, Nos. 13-21 Park Row, New York:Dear Sir—I herewith submit a report of the transactions of the Bureau of Lamps
and Gas for the quarter ending June 30, 1903.In Exhibit "A" will be found a statement showing the amounts expended on
vouchers for the expenditures of the Bureau, and for a supply of electricity for light-
ing public lamps and public offices. The condition of affairs which existed on March
31, at the end of the first quarter, to which I called your attention—the non-existence
of contracts made for the public lighting for the year 1903—still exists, and no
vouchers have been drawn except on orders specially issued for lighting the Law
Department for the first and second quarters.Exhibit "B" is a summary of the appropriation for "Lamps and Lighting for
1903," and this shows an expenditure during the quarter of six thousand eight hun-
dred and sixteen dollars and ninety-five cents. There being no contracts for the year
to fix the prices to be paid for public lighting no figures of outstanding liabilities are
given. Approximately, at the prices paid for similar services in 1902, the liabilities
for the lighting of public buildings (including Board of Education) for the second
quarter would be seventy-three thousand three hundred and sixteen dollars and
thirty-seven cents (\$73,316.37), and for public lamps three hundred and eighteen thou-
sand two hundred and fifty-six dollars and seven cents (\$318,256.07), making approxi-
mately the liabilities for the second quarter for public lighting at the prices of 1902
three hundred and ninety-one thousand five hundred and seventy-two dollars and
forty-four cents (\$391,572.44). There is also an outstanding liability of the first
quarter to the Bronx Gas and Electric Company on their incompletely contract from
March 1 to 27, of five thousand nine hundred and eighty-seven dollars and seventy
cents (\$5,987.70), of which ninety dollars and sixty-seven cents (\$90.67) is for public
buildings.Exhibit "C" is a summary of the lamp account, showing the number of new
lamps lighted, old lamps relighted, and lamps discontinued by each gas and electric
light company during the quarter. Forty new gas lamps have been lighted; 709 old
gas lamps, 4 old naphtha lamps and 9 old Welsbach lamps have been relighted; 272
gas lamps, 2 naphtha lamps, 8 Welsbach naphtha lamps and 13 electric lamps have
been discontinued during the quarter. The total number of public lamps lighted
June 30, 1903, was 19,457 regular gas lamps, 4,640 single Welsbach gas lamps, 394
double Welsbach gas lamps, 1,442 naphtha lamps, 854 Welsbach naphtha lamps, and
5,194 electric lamps, making a total of 31,981 lamps.Exhibit "D" is a statement showing the candle power of the gases supplied to
the City by such of the gas companies as are within reach of our photometric stations.
The following statement shows the average amount of impurities found in the
gases of such of the companies as have gas mains on the lines of our photometric
stations, as determined by the analyses of Dr. E. G. Love, Ph.D., our Gas Examiner,
in the laboratories of this Bureau:

Of What Company.	Sulphur Grains in 100 Cubic Feet.	Ammonia Grains in 100 Cubic Feet.	Sulphuretted Hydrogen.
Consolidated Gas Company, Branch 1.....	11.16	0.18	Trace
Consolidated Gas Company, Branch 2.....	13.12	1.14	.....
Consolidated Gas Company, Branch 3.....	9.04	0.14	.....
Consolidated Gas Company, Branch 4.....	12.20	1.26	.....
Consolidated Gas Company, Branch 6.....	7.96	0.20	.....
New York Mutual Gas Light Company.....	6.14	0.10	Trace
New Amsterdam Gas Company, Equitable Branch.....	7.96	0.08	.....
Standard Gas Light Company.....	8.20	0.18	.....
New Amsterdam Gas Company, East River Branch.....	8.04	0.10	.....

The following will show the specific gravity of the gases:

Consolidated Gas Company, Branch 1.....	.652
Consolidated Gas Company, Branch 2.....	.579
Consolidated Gas Company, Branch 3.....	.654
Consolidated Gas Company, Branch 4.....	.634
Consolidated Gas Company, Branch 6.....	.632
New York Mutual Gas Light Company.....	.678
New Amsterdam Gas Company, Equitable Branch.....	.649
Standard Gas Light Company.....	.636
New Amsterdam Gas Company, East River Branch.....	.642

The following statement will show the average maximum and minimum pressure
on the mains of such companies

EXHIBIT "B."

Summary of the appropriation for "Lamps and Lighting for 1903," showing the amount drawn on vouchers during the quarters ending March 31 and June 30, balance against which no vouchers have been drawn and liabilities and approximate liabilities, as per statement annexed:

Amount of appropriation.....	\$16,720 91	\$1,583,163 50
Amount of vouchers, first quarter.....	6,816 95	
Amount of vouchers, second quarter.....		23,537 86

Balance against which no vouchers are drawn.....	\$1,559,625 64
Approximate liabilities, first quarter.....	\$414,402 86
Approximate liabilities, second quarter.....	391,572 40
Due Bronx Gas and Electric Company, balance first quarter.....	5,987 70
Liabilities on contract for supplies.....	17,828 50

Apparent balance	\$729,834 18
------------------------	--------------

Liabilities on Contracts.

F. F. Fox.....	\$922 50
J. N. Early.....	6,656 50
E. P. Gleason Manufacturing Company.....	4,044 50
M. J. Drummond & Co.....	6,205 00

Total.....	\$17,828 50
------------	-------------

Lighting Public Lamps—Second Quarter.

Consolidated Gas Company	\$78,375 27
New Amsterdam Gas Company	10,884 63
Standard Gas Light Company	5,386 40
Central Union Gas Company	11,418 33
Northern Union Gas Company	20,608 14
Westchester Lighting Company	2,089 96
New York and New Jersey Globe Gas Lighting Company	7,934 48
Welsbach Lighting Company	6,370 53
Brush Electric Illuminating Company	32,011 29
New York Edison Company	73,143 17
United Electric Light and Power Company	654 76
Bronx Gas and Electric Company	21,172 86
New York Edison Company	39,830 42
Westchester Lighting Company	8,375 83

Total	\$318,256 07
-------------	--------------

Lighting Public Buildings—Second Quarter.

Board of Education	\$23,692 97
Fire Department	5,288 16
Police Department	7,291 05
Department of Charities	4,746 45
Department of Corrections	4,330 55
Department of Health	1,936 95
Department of Parks	957 29
Bellevue and Allied Hospitals	4,721 76
Department of Street Cleaning	2,192 28
President Borough of Manhattan	623 90
College of City of New York	244 41
Public Buildings and Markets	8,898 61
Public Armories	8,391 99

Total	\$73,316 37
-------------	-------------

EXHIBIT "C."

Summary of the lamp account, showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric light company, during the quarter ending June 30, 1903:

Consolidated Gas Company, Hester Street Branch—
Number of lamps lighted, March 31, 1903..... 2,627
Number of old lamps relighted during the quarter..... 114
Less lamps discontinued during the quarter..... 30
Number of lamps lighted June 30, 1903..... 2,711

Consolidated Gas Company, Fortieth Street Branch—
Number of lamps lighted, March 31, 1903..... 2,646
Number of old lamps relighted during the quarter..... 108
Less lamps discontinued during the quarter..... 55

Number of lamps lighted, June 30, 1903..... 2,699
Consolidated Gas Company, One Hundred and Eleventh Street Branch—
Number of lamps lighted, March 31, 1903..... 8,380
Number of new lamps lighted during the quarter..... 30
Number of old lamps relighted during the quarter..... 159
Less lamps discontinued during the quarter..... 105

Number of lamps lighted, June 30, 1903..... 8,464

Total number of lamps lighted by Consolidated Gas Company... 13,874

New Amsterdam Gas Company—
Number of lamps lighted, March 31, 1903..... 3,131
Number of old lamps relighted during the quarter..... 183
Less lamps discontinued during the quarter..... 2

Number of lamps lighted, June 30, 1903..... 3,312
Standard Gas Light Company—

Number of lamps lighted, March 31, 1903..... 1,584
Number of old lamps relighted during the quarter..... 127
Less lamps discontinued during the quarter..... 11

Number of lamps lighted, June 30, 1903..... 1,700

Central Union Gas Company—
Number of lamps lighted, March 31, 1903..... 2,022
Number of old lamps relighted during the quarter..... 5

Less lamps discontinued during the quarter..... 2,027
Number of lamps lighted, June 30, 1903..... 59

Northern Union Gas Company—
Number of lamps lighted, March 31, 1903..... 3,280
Number of new lamps lighted during the quarter..... 4
Number of old lamps relighted during the quarter..... 18

Less lamps discontinued during the quarter..... 3,302
Number of lamps lighted, June 30, 1903..... 10

Number of lamps lighted, June 30, 1903..... 3,293

Westchester Lighting Company—

Number of lamps lighted, March 31, 1903.....	344
Number of new lamps lighted during the quarter.....	1
	345

Number of lamps lighted, June 30, 1903.....	345
Total number of gas lamps lighted, June 30, 1903.....	24,491

Naphtha Lamps.

MANHATTAN.

New York and New Jersey Globe Gas Light Company, Ltd.

Number of Lamps Lighted March 31, 1903—	
Highbridge Park	14
Morningside Park	7
Riverside Park	59
St. Nicholas Terrace.....	27
	107

Number of lamps lighted June 30, 1903.....	107
--	-----

THE BRONX.

New York and New Jersey Globe Gas Light Company, Ltd.

Number of Lamps Lighted March 31, 1903—	
Woodlawn	50
Eastchester	115
Wakefield	93
Bronx and Pelham parkway.....	141
Bronx Park	103
Claremont Park	50
Crotona Park	81
Cedar Park	18
Gun Hill road.....	34
Moshulu parkway	67
Moshulu avenue	72
St. Mary's Park	59
Washington Bridge Park.....	24
Van Cortland Park	29
Grand avenue	7
Williamsbridge	149
Aqueduct avenue	2
One Hundred and Eighty-first street	6
Buchanan place	5
Tiebout avenue	4
One Hundred and Seventy-seventh street	12
Spuyten Duyvil parkway	113
Two Hundred and Thirty-first street	4
Clay avenue	5
Teller avenue	5
One Hundred and Seventy-third street	2
Morris avenue	5
Boscobel avenue	4
Johnson avenue	10
Temporary road, Teller and Webster avenues	2

1,333

Number Old Lights Relighted in Quarter—	
Williamsbridge	4

4

1,337

Number Lamps Discontinued in Quarter—	
Bronx and Pelham parkway	2

2

1,335

Total number naphtha lamps burning June 30, 1903.....	1,442
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Welsbach Naphtha Lamps.

MANHATTAN.

Welsbach Street Lighting Company of America.

Number of Lamps Lighted March 31, 1903—	
Central Park	522
Central Park mall and paths	42
Central Park terraces	4
Central Park, One Hundred and Twenty-second street ..	8
Morningside avenue	15
Morningside Park	11
Manhattan square	4
Riverside drive	137
Entrance Park and Casino	11

754

Number Old Lamps Relighted in Quarter—	
Terrace Central Park	9

9

Total number lamps lighted June 30, 1903.....	763
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THE BRONX.

Welsbach Street Lighting Company of America.

Number of lamps lighted March 31, 1903—	
Wakefield	72
Williamsbridge	27

99

Number of Lamps Discontinued During Quarter—	
Wakefield Indian Park	8

8

Number of lamps lighted June 30, 1903.....	91
--	----

Total number Welsbach naphtha lamps lighted June 30, 1903.....	854
--	-----

Electric Lamps.

Brush Electric Illuminating Company—

Number of lamps lighted March 31, 1903.....	882
---	-----

882

Less lamps discontinued during the quarter.....	4
---	---

4

Number of lamps lighted June 30, 1903.....	878
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New York Edison Company—

Number of lamps lighted March 31, 1903.....	2,006
---	-------

2,006

Number of lamps lighted June 30, 1903.....	2,006
--	-------

United Electric Light and Power Company—

Number of lamps lighted March 31, 1903.....	18
---	----

18

Number of lamps lighted June 30, 1903.....	18
--	----

Bronx Gas and Electric Company—

Number of lamps lighted March 31, 1903.....	651
---	-----

651

Number of lamps lighted June 30, 1903.....	651
--	-----

651

New York Edison Company—	
Number of lamps lighted March 31, 1903.....	1,399
Less lamps discontinued during the quarter	9
Number of lamps lighted June 30, 1903.....	1,390
Westchester Lighting Company—	
Number of lamps lighted March 31, 1903.....	251
Number of lamps lighted June 30, 1903.....	251
Total number of electric lamps lighted June 30, 1903.....	5,194

RECAPITULATION.

Number of gas lamps lighted March 31, 1903.....	24,014
Number of naphtha lamps lighted March 31, 1903.....	1,440
Number of electric lamps lighted March 31, 1903.....	5,207
Number of Welsbach-naphtha lamps March 31, 1903.....	853
Number of new gas lamps lighted during the quarter.....	40
Number of old gas lamps relighted during the quarter.....	709
Number of old naphtha lamps relighted during the quarter.....	4
Number of old Welsbach-naphtha lamps relighted during the quarter	9
Less gas lamps discontinued during the quarter.....	272
Less naphtha lamps discontinued during the quarter.....	2
Less Welsbach-naphtha lamps discontinued during the quarter.....	8
Less electric lamps discontinued during the quarter.....	13
Total number of lamps lighted June 30, 1903.....	31,981

Resume.

Regular gas lamps	18,586
Regular gas lamp street signs	871
Single Welsbach gas lamps	4,640
Double Welsbach gas lamps	394
Naphtha lamps	1,442
Welsbach-naphtha lamps	854
Electric lamps	5,194
Total.....	31,981

EXHIBIT "D."

Statement giving the illuminating power in candles of the gases supplied to the City by the several gas light companies during the quarter ending June 30, 1903, as shown by the daily observations at the photometrical rooms of the Department of Public Works:

Month of	East River Gas Company, Illuminating Power in Candles.			Consolidated Gas Company, Branch 1, Illuminating Power in Candles.			Consolidated Gas Company, Branch 2, Illuminating Power in Candles.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April	23.86	24.90	24.31	21.52	23.17	22.60	21.94	23.66	22.59
May	22.60	23.46	23.02	22.54	23.62	22.97	21.24	22.68	21.95
June	21.72	23.34	22.67	20.58	22.20	21.44	17.91	21.07	20.11

Month of	Consolidated Gas Company, Branch 3, Illuminating Power in Candles.			Consolidated Gas Company, Branch 4, Illuminating Power in Candles.			Consolidated Gas Company, Branch 6, Illuminating Power in Candles.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April	21.44	22.76	22.23	23.01	24.72	23.99	20.82	23.54	22.42
May	21.82	25.48	23.72	17.64	21.66	20.00	21.45	23.59	22.47
June	20.02	23.32	21.37	17.46	22.53	19.54	20.56	21.79	21.28

Month of	New York Mutual Gas-Light Company, Illuminating Power in Candles.			Equitable Gas-Light Company, Illuminating Power in Candles.			Standard Gas-Light Company, Illuminating Power in Candles.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April	19.12	23.19	21.94	22.87	24.22	23.55	22.14	24.42	23.76
May	22.89	25.02	23.70	22.43	23.67	23.21	22.04	23.96	22.65
June	17.94	23.45	21.58	21.54	22.99	22.54	20.54	22.36	21.71

DOCUMENT "IV."

Report of Bureau of Lamps and Lighting for Quarter Ending June 30, 1903. There were received in general relation to gas and electric lamps, lighting, etc., 737 complaints and requests, of which 290 were made by citizens and others, and 447 by the Department Inspectors.

The number of lamps of each kind in service June 30, 1903, was as follows:

Gas lamps (plain).....	10,243
Welsbach lamps (gas).....	4,281
Welsbach lamps (naphtha).....	389
Electric lights (1,200 candle-power).....	4,768
Electric lights (600 candle-power).....	210
Naphtha lamps (plain).....	12

Total 19,903

Changes were made in the lighting system during the quarter as follows:

Gas lamps capped.....	3
Gas lamps uncapped.....	3
New electric lights added.....	3

Total changes 9

The companies supplying street lighting, and the number of lamps maintained by each company June 30, 1903, are as follows:

Brooklyn Union Gas Company (gas lamps).....	5,977
Brooklyn Union Gas Company (Welsbach).....	4,281
Kings County Gas and Illuminating Company (gas lamps).....	4,266
Flatbush Gas Company (electric lights, 1,200 candle-power).....	613
Edison Electric Illuminating Company (electric lights, 1,200 candle-power).....	4,155
Edison Electric Illuminating Company (electric lights, 600 candle-power).....	210
Welsbach Street Lighting Company of America (Welsbach).....	389
New York and New Jersey Globe Gas Light Company (naphtha).....	12

Total 19,903

There were received 5,642 reports from the Department of Police, in the matter of lamps and lighting, from which were tabulated 747 instances of electric lights not burning, and 318 instances of gas lamps not burning, from which tabulation deductions are made from the bills of the company supplying the lighting.

The following repairs were made to gas lampposts, upon order to gas companies:

Removed	30
Reset	57
New standpipes	3
Released	38
New columns refitted	5
New services installed	4
Posts straightened	29

Received at the Department Storehouse from gas companies during the quarter, incident to changes in the system, lamp stock as follows:

Square lanterns	12
Square frames	353
Gas lampposts	15
Lamppost butts	5
Lamppost columns	9
Street sign frames	102

Delivered to gas companies lamp stock as follows:

Square lanterns	27
Square frames	263
Boulevard globes	55
Boulevard domes	66
Boulevard canopies	6
Gas lampposts	4
Lamppost butts	1
Lamppost columns	7

Work accomplished by the Storehouse employees in the matter of repairs to lanterns, frames, etc., during the quarter:

Square lanterns painted and repaired	42
Square frames painted and repaired	891
Boulevard frames painted and repaired	395
Sign frames painted and repaired	135

Respectfully submitted,
A. E. ALLEN,
Assistant Engineer in Charge of Lighting.

DOCUMENT "V."

DOCUMENT "VI."

Bureau of Electricity and Gas, Borough of Brooklyn—Report for Quarter Ending June 30, 1903.

	Overhead Wires.	Subway Con- struction.	Subway Sub- sidiaries.	Underground Conductors.	Interior Wiring.	Total.
Number of applications received.....	1,052	147	386	246	1,554	3,385
Number of applications canceled and pending	2	15	42	3	68	130
Number of permits and certificates granted	1,050	132	344	243	1,486 ctfs.	3,255

Distribution of Certificates.	
Incandescent lamps	26,082
Arc lamps	658
Horse-power of motors	2,158.79
Kilowatt of generators	1,019.80
Kilowatt of miscellaneous appliances	25.58

Companies.	Classifications and Distribution of Permits.				
	Overhead Wires.	Subway Con- struction.	Subway Sub- sidiaries.	Under- ground Conductors.	
American District Telegraph.....	1	1	...	1	
Brooklyn District Telegraph.....	26	5	3	28	
Brooklyn Heights Railroad.....	...	9	...	...
Brooklyn Borough Gas.....	...	48	...	...
Brooklyn Union Gas.....	2	2	...	...
Coney Island and Brooklyn Railroad.....	...	...	...	...
Eastern District Messenger.....	...	...	...	...
Edison Electric Illuminating.....	418	66	180	190	
Fire Department.....	...	1	2	3	
Flatbush Gas.....	29	3	35	...	
Kings County Gas and Illuminating.....	...	8	...	...
New York and New Jersey Telephone.....	566	54	59	21	
Police Department.....	...	...	...	...
Postal Telegraph and Cable Company.....	1	...	...	...
Stock Quotation Telegraph.....	6	...	...	...
Western Union Telegraph.....	1	...	...	...
Department of Sewers.....	...	...	...	...
Total.....	1,050	132	344	243	

Companies.	Operations							
	Miles Poles. Erected.	Miles Poles. Removed.	Miles of Over- head Wires Removed.	Miles of Subway Constructed.	Miles of Duct Laid.	Miles of Conductors Placed in Subways.	Miles of Gas Main Laid.	Miles of Gas Main Removed.
American District Telegraph.....	...	...	...	...	...	...	...	...
Brooklyn District Telegraph.....	357	63	4.03	1.03	6.82	7.99	...	...
Brooklyn Heights Railroad.....	...	...	...	...	...	...	1.286	...
Brooklyn Borough Gas.....	...	...	...	...	...	...	2.99	.056
Brooklyn Union Gas.....	...	...	...	...	...	...	...	...
Coney Island and Brooklyn Railroad.....	...	...	...	...	...	...	...	...
Eastern District Messenger.....	...	...	...	...	...	...	...	...
Edison Electric Illuminating.....	63	76	31.089	7.419	8.362	27.426	...	...
Fire Department.....	1	...	1	...	...	...	...	...
Flatbush Gas.....	5	...	...	...	...	...	2.	1.
Kings County Gas and Illuminating.....	...	...	...	...	...	...	...	368
New York and New Jersey Telephone.....	104	8	72.24	8.426	43.68	3,699.392	...	...
Police Department.....	...	...	...	...	...	...	...	...
Postal Telegraph and Cable Company.....	...	...	...	...	...	...	...	...
Stock Quotation Telegraph.....	...	...	...	...	...	...	...	...
Western Union Telegraph.....	...	...	...	...	...	...	...	...
Department of Sewers.....	...	...	...	...	...	...	...	...
Total.....	530	150	109.359	17.875	62.862	3,736.808	5.644	.056

Number of complaints sent out, 448.

Number of inspections, 5,525.

July 22, 1903.

DOCUMENT "VII."

Department of Water Supply, Gas and Electricity,
Electrical Bureau, Boroughs of Manhattan and The Bronx,
21 Park Row,
New York, 1903.

Hon. ROBERT GRIER MONROE, Commissioner:

Sir—I submit herewith a report of work done by the Electrical Bureau of this Department for the second quarter ending June 30, 1903.

Applications received for inspection of interior wiring	5,352
Applications closed	4,938
Balance open	2,315
Certificates issued for interior wiring	4,598
Temporary certificates issued for interior wiring	173
Total certificates issued for interior wiring	4,771
Permits issued for signal wires	667
Permits issued for electric lighting	914
Permits issued for pole lines	74
Permits issued for resetting poles	2
Permits issued for city lamp posts	0
Permits issued for underground conductors	1,172
Permits issued for subsidiary connections	1,334
Permits issued for subways	116
Total permits issued for outside electrical work	4,279
Complaint notices issued	1,871
Complaint notices attended to	1,355
Balance open	1,531
Number of incandescent lamps covered by certificates	126,455
Number of arc lamps covered by certificates	2,350
Number of motors covered by certificates	1,950
Horse power capacity of motors covered by certificates	6,417.70
Number of generators covered by certificates	68
Kilowatt capacity of generators covered by certificates	6,409.70
Total number of inspections made by eighteen men	17,871

The inspectors have removed 47,400 feet, or 8,977 miles, of overhead wires without any additional expense to the city.

Respectfully submitted,
FRANK E. BROWN, Chief Inspector.

"DOCUMENT VIII."

City of New York, Department of Water Supply, Gas and Electricity,
Bureau of Water Rates, Borough of Brooklyn,
June 30, 1903.

Hon. ROBERT VAN IDERSTINE, Deputy Commissioner:

Dear Sir—Herewith I submit a report of the work of the Bureau of Water Rates, Brooklyn, for the second quarter of the year 1903.

Recommendations contained in my report for the first quarter having been carried out by the making of extensive alterations in the offices occupied by this Bureau, it is gratifying to be able to state that the conditions under which work is now done by the clerical force are vastly improved. Clerks no longer are compelled to labor under artificial light during clear weather and in midsummer, in every case each man now having a direct sidelight. By a rearrangement of stationary desks more room has been secured, especially where it was most needed, viz., in the general, cash and meter offices. It is still to be regretted that the Bureau cannot immediately have twice the floor area now provided, as it could be utilized to the benefit of the office and the public. People having business with the Bureau have benefited greatly by the alterations, as may especially be seen in the work of the Cashier.

Complaint as to lack of discipline, made in the early part of the year, is now not necessary, as the force, both clerical and inspection, has with but few exceptions attained a highly improved state of efficiency.

During the past quarter it has not been necessary to again put the time clock in service.

Cash.

The receipts for the second quarter of 1903, including arrears, were \$953,489.60, an increase of \$40,081.33 over the corresponding period of 1902 and of \$733,057.32 over the first quarter of 1903.

It is noticeable that nearly \$30,000 of the increase over the same period of last year is due to meter accounts. There is also a substantial increase shown in every account other than penalties.

The long line of people waiting to pay their bills, a detention of hours in some cases, has become a thing of the past. So long as the present methods of receiving payments by the Cashier is retained there exists no excuse for a recurrence of scenes such as for many years took place in this office annually during the extra busy season. During the rush period commencing the first of May, my estimate is that the time of payment would be reduced from fifteen and twenty minutes to less than a quarter of a minute, made in the report for the first quarter, has been borne out.

An adding machine for tickler and check work was placed in the cash office just prior to May 1, and has proved of great value, both because of increased accuracy and expedition. This has permitted one Clerk to do the tickler work for two cash books operated simultaneously.

For details of financial transactions see exhibits as follows:
"A." Water Rates Collected During the Quarter Ending June 30, 1903, and During the Same Period of 1902, for Comparison.
"B." Water Rates Collected During the Quarter Ending June 30, 1903, Compared with Those Collected During the Same Period of 1902.
"C." Water Rates Collected in Bureau for Collection of Assessments and Arrears.
"D." Water Rates Collected in Bureau for Collection of Taxes.
"E." Amount of Refunds and Cancellations of Arrears.

Meters.

From the appended exhibit, "F," it will be seen that there were 682 meters set during the second quarter and the number of discontinuances but 8, making a net setting of 674 meters, the great bulk being on $\frac{5}{8}$ -inch services. This makes the number of meters in use on June 30, 5,590, an increase since January 1 of 1,078 meters, or an increase in six months of nearly 24 per cent.

In this connection I would call attention to the number of settings and discontinuances as shown in the following table:

Year.	Settings.	Removals.	Net Settings.
1898	207	59	148
1899	387	45	342
1900	559	54	505
1901	421	156	265
1902	807	20	787
1903 (for the first six months)	1,092	14	1,078

On the adjournment of the Legislature without their having taken the action asked for by the Department in reference to metering being done at the City's expense, other installation notices were sent to those who had received them prior to January 1 and new notices to various businesses where there is an extra consumption of water. This has resulted in the setting of an unprecedentedly large number of new meters with the consequent assurance of a great increase in revenue for the year taken as a whole.

Factories, saloons, laundries, stables and clubs have been among the principal classes in meter settings, though a considerable number of dwellings have also set meters to avoid the stopping of the privilege of using garden hose.

It is notable that of the total of 682 meters set during the second quarter, 186 were voluntarily installed in dwellings exclusively and 187 in dwellings in connection with business on ground floor, making a total of 373 settings voluntarily made for domestic purposes, which indicates, I think, that metering is becoming more generally accepted as being reasonable and proper.

On April 29 a raid was executed on the premises of Isadore Heilbrunn, of No. 375 Broadway, doing business as the Electric Home Laundry. It was found that he had a rubber hose connection from a hydrant in a rear lot, and that he secured practically all of a large supply from that source, only permitting his meter to operate when an inspector was on the premises. Heilbrunn was arrested and held for the Court of Special Sessions, action by which is now awaited with interest, as it is the first case to arise in this city under the new section

Rates.

In the regular rate work the main effort has been to get all requisitions for bills filled as promptly as possible, and in this respect the testimony of those who have dealt with this Bureau for many years is that never before have they secured bills so early in the season. A successful effort has been made to have all bills made out when ratepayers called for them. This work was very difficult and greatly hampered by the delay in getting new bills from the printer, who claimed paper mills failed in their deliveries. Under the present system, in 1904 all bills should be completed in advance of the first day of May.

The work of the Rate Clerks has been quite arduous as compared with corresponding periods of former years, they having done a very large amount of labor in connection with special work.

Much difficulty arose about May 1, when citizens learned of the charge for rear buildings, a misconception of such rule having caused Inspectors to report as rear buildings all structures—even frame sheds used to store garden tools. This was remedied by making a complete reinspection of such reported buildings, with the consequent removal from the books of a large amount of erroneous charges.

See Exhibit "J," Changes in Force During Second Quarter.

See Exhibit "K," Summary of Changes in Force During Second Quarter.

Permits.

In the report for the first quarter reference was made to the then existing division of authority between the Superintendent of Repairs and the Water Registrar in the issuance of permits of several kinds and the supervision of water consumed by shipping. You transferred to this Bureau the issuance of all permits not heretofore issued by this office, in the latter part of June, and even though consolidated under one Permit Clerk for but a few days, already a committee from the Master Plumbers' Association have expressed themselves as pleased at having all the business transacted in one office. The two Inspectors of Shipping, also transferred within a few days of the expiration of the quarter, I have not as yet had time to closely observe at work, or to make any suggestions on the improvement of methods for increasing revenue from shipping.

Under the new permit methods many builders have been detected in erecting more houses than those for which they had water permits. Being threatened with prosecution on the first offence, they are now as a rule scrupulously observing the law.

Plumbers are now required to make monthly sworn returns to me of all new fixtures that are ratable. This was required of them some years ago and was discontinued under the last administration. With over seven hundred licensed plumbers in this borough, many of them constantly setting new fixtures, an increase in the revenue necessarily results. Under the law providing for sworn returns, plumbers could legally be asked to make statements weekly, but that would be an unnecessary hardship. To avoid any objection to the increased payment for acknowledgment fees, I have had the Permit Clerk created a Commissioner of Deeds, instructing him to accept no fees and posting a conspicuous sign to that effect.

Since the consolidation of permit issuing under one Clerk and assistants efforts have been made to simplify the work, render collection of permit fee certain, and to expedite the transaction of business by the public so that they spend no more time in this office than is absolutely necessary. To this end bills which were formerly issued in connection with all fire hydrant permits have been abolished, thus saving much time of both clerks and applicants. Stubs for retention by the Cashier have for the same purpose been added to all permits which formerly lacked them.

It was formerly required that before a permit for taps or repairs could issue plumbers must see that all arrears on premises were paid. This resulted in unnecessary hardship and no increase in revenue that might not be made by simpler means. Plumbers may now secure permits without delay.

See Exhibit "L," Statement of Permits Issued and Approximate Revenue Therefrom.

Inspection.

During the quarter the general resurvey inspection of all buildings in the borough was continued. Wards 7, 19, 21, 22 and 23 were completed, in addition to which work a large number of special inspections, due to the approach of the rate-payment period, were made.

While making general inspections it has been the practice to keep a careful lookout for leakage. The number of leaks of various kinds as reported existing in the wards resurveyed during the past three months are as follows:

Ward 7, 1,000 leaks; Ward 19, 800 leaks; Ward 21, 2,500 leaks; Ward 22, 2,400 leaks; Ward 23, 1,200 leaks; total, 7,900 leaks.

About June 1 two Inspectors were dismissed on charges, making a total of nine discharged since the first of January. The great amount of new work being done occasioned the appointment of nine permanent Inspectors from the Civil Service list.

Actual use of the uniform cap with conspicuous insignia thereon, by all Inspectors, has resulted in securing much easier access to houses, a less number of citizens' complaints of various kinds, and, when such complaints are made, a greater certainty as to identification. The attainment of this result has also been helped by the adoption of new badges that can be easily read, whereas those formerly in use were scarcely legible.

The number of Inspectors working during the quarter was 42, except during the last few days of June, when there were 44, making a total number of working days of approximately 3,014, divided as follows:

	Days.
On special inspections.....	617
On resurvey inspections	1,495
Reading meters	348
Inspecting meters	194
In office	147
Absent	213
 Total.....	 3,014

Inspector William Bryan has been continuously absent during the quarter on leave of absence.

The amount of work done on resurvey inspections was as follows:

Ward.	Number of Blocks.	Number of Inspections.
7.....	108	5,650
19.....	105	4,302
21.....	100	5,721
22.....	143	6,648
23.....	90	5,538
 Total.....		 27,859

A district comprising about thirty blocks in the Twenty-second Ward was inspected in connection with the Engineer's Bureau in conjunction with pitometer tests.

Respectfully submitted,
J. E. EASTMOND, Water Registrar.

EXHIBIT "A."

Water Rates Collected During the Quarter Ending June 30, 1903.

	Regular.	Meters.	Penalty.	Building.	Labor and Material.	Taps.	Total.
April	\$12,435 87	\$191,915 10	\$1,392 49	\$1,986 35	\$208 52	\$1,372 25	\$209,310 58
May	318,449 19	57,731 55	1,496 79	1,498 02	514 39	1,335 75	381,475 69
June	275,069 91	24,635 29	1,207 69	2,034 94	428 23	1,030 75	305,226 81
Total.....	 \$606,774 97	 \$274,281 94	 \$4,096 97	 \$5,969 31	 \$1,151 14	 \$3,738 75	 \$896,013 08
Collected in Bureau for Collection of Assessments and Arrears.....							40,046 30
Collected in Bureau for Collection of Taxes.....							17,430 22
Total							\$953,489 60

Water Rates Collected During the Quarter Ending June 30, 1902.

	Regular.	Meters.	Penalty.	Building.	Labor and Material.	Taps.	Total.
April	\$14,558 39	\$128,327 22	\$2,019 66	\$2,185 15	\$89 92	\$1,098 75	\$148,279 09
May	301,100 62	84,838 72	1,042 24	1,492 70	59 18	923 50	390,356 96
June	288,803 68	31,416 45	1,875 27	1,336 37	171 90	994 25	324,597 92
Total.....	 \$604,462 69	 \$244,582 39	 \$5,837 17	 \$5,014 22	 \$321 00	 \$3,016 50	 \$863,233 97
Collected in Bureau for Collection of Assessments and Arrears.....							36,515 00
Collected in Bureau for Collection of Taxes.....							13,659 30
Total							\$913,408 27

Increase for the quarter ending June 30, 1903, \$40,081.33.

EXHIBIT "B."

Schedule Showing Water Rates Collected During the Quarter Ending June 30, 1903, Compared with Those Collected During the Same Period of 1902.

	1903.....	1902.....	Increase.....	Decrease.....
Meters—				
1903	\$274,281 94	244,582 39	29,699 55	
Penalty—				
1903	\$4,096 97	5,837 17		\$1,740 20
Building—				
1903	\$5,969 31	5,014 22	955 09	
Labor and Material—				
1903	\$1,151 14	321 00	830 14	
Taps—				
1903	\$3,738 75	3,016 50	722 25	
				\$34,519 31
				\$1,740 20
Net increase of collections in Bureau of water rates			\$32,779 11	
Bureau of Assessments and Arrears—				
1903	\$40,046 30			
1902		36,515 00		
			\$3,531 30	
Bureau for Collection of Taxes—				
1903	\$17,430 22			
1902		13,659 30		
			3,770 92	

EXHIBIT "C."

Statement of amount of water arrears collected during the quarter ending June 30, 1903, in office of Collector of Assessments and Arrears, Borough of Brooklyn.

(Subject to correction on verification of books.)

	Principal.	Interest.	Total.
April	\$10,559 07	\$2,987 57	\$13,546 64
May	9,034 45	2,238 96	11,273 41
June	12,912 16	2,314 09	15,226 25
Total			\$40,046 30

EXHIBIT "D."

Statement of amount of water arrears collected during the months of April and May, 1

EXHIBIT "E."

Statement of amount of refunds and cancellation of arrears during the quarter ending June 30, 1903.	
Refund of water revenue	\$377 24
Refund of advances on water meters	360 38
	=====
	\$737 62
Cancellation of arrears	978 03
	=====

EXHIBIT "F."

Statement of water meters in use and set during quarter ending June 30, 1903.	
Meters in use March 31, 1903	4,916
Meters set during quarter ending June 30, 1903	682
	=====
Accounts closed during quarter ending June 30, 1903	5,598
Actual number in use June 30, 1903	8
	=====

EXHIBIT "G."

Statement of Settings, Discontinuances and Meters in Use During Quarter Ending June 30, 1903.	
Settings.	

	5/8	3/4	1	1 1/2	2	3	4	6	Total.
Worthington	8	2	3	1	6	3	7	2	32
Thomson	216	27	27	4	6	7	5	4	296
Trident	240	13	11	1	7	2	..	..	274
Crown	10	3	6	2	..	..	..	..	21
Nash	12	2	..	1	2	..	..	..	17
Hersey .....	..	..	..	..	..	..	..	..	..
Standard	39	1	..	..	..	..	1	..	41
Gem .....	..	..	..	..	..	1	..	..	1
Total	525	48	47	9	21	13	13	6	682

Discontinuances.

	5/8	3/4	1	1 1/2	2	3	4	6	Total.
Worthington	1	1	..	..	1	..	..	..	3
Thomson	2	..	..	..	..	..	..	..	2
Trident .....	..	1	..	..	..	..	..	..	1
Crown	1	..	..	..	..	..	..	..	1
Nash	1	..	..	..	..	..	..	..	1
Total	5	2	..	..	1	..	..	..	8

Meters in Use.

	5/8	3/4	1	1 1/2	2	3	4	6	10	Total.
Worthington	147	70	196	114	253	86	68	4	..	938
Thomson	1,235	154	253	76	92	28	33	17	..	1,888
Trident	774	89	93	27	26	9	10	6	..	1,034
Crown	752	171	251	69	99	13	12	..	..	1,367
Nash	69	12	11	4	3	..	..	..	..	99
Hersey	11	..	..	..	..	1	1	..	..	13
Standard	82	5	3	..	..	1	..	..	..	91
Gem	3	..	..	2	67	27	41	8	1	149
Miscellaneous .....	..	6	3	..	..	..	2	..	..	11
Total	3,073	507	810	292	540	164	168	35	1	5,590

EXHIBIT "H."

Schedule of Repair Permits Issued to Plumbers During the Quarter Ending June 30, 1903.	

	5/8	3/4	1	1 1/2	2	3	4	6	Total.
Worthington	7	3	9	5	11	2	6	..	43
Thomson	48	9	10	3	7	2	2	2	83
Trident	32	7	6	2	..	1	1	..	49
Crown	61	14	12	4	2	1	1	..	95
Nash	2	..	1	..	..	..	..	..	3
Standard	6	1	..	..	..	..	..	..	7
Hersey .....	..	..	..	..	..	1	..	..	1
Gem .....	..	..	..	..	8	2	2	..	12
	"B" Empire.								
Miscellaneous .....	..	1	1	..	..	..	..	..	2
Total	156	35	39	14	28	9	12	2	295

EXHIBIT "I."

Schedule Showing the Nature of Business for which Meters were Set During the Quarter Ending June 30, 1903.	

Bakery	2	Hotel	19
Baths	3	Hydrant	1
Blacksmith	1	Hospital	1
Boiler house	1	Indian Camp (C. I.)	1
Bottling and dwelling	2	Laundry	26
Bottler	1	Laundry and dwelling	20
Bakery and dwelling	6	Laboratory	1
Carousel	2	Organ	1
Carpet cleaning	1	Office building	7
Cemetery	1	Office	4
Construction	3	Pumping station	1
Comfort station	2	Power house	2
Carpenter shop	2	Milk depot	1
Church	7	Restaurant	7
Club	14	Saloon	33
Confectioners	3	Saloon and domestic	86
Dwelling and stable	42	Store	6
Dwelling	186	Store and dwelling	31
Druggist	1	Stable	30
Dwelling and greenhouse	6	Storehouse	1
Dwelling and florist	1	School	2
Fountain	1	Stone crusher	2
Factory	64	Store and offices	6
Florist	3	Saw mills	3
Fire service	17	Shooting gallery	1
Freight depot	1	Stone yard	1
Greenhouse	1	Theatre	1
Hose bib	1	Hotel and stable	12
Total.....		Total.....	682

EXHIBIT "J."

Changes in Force During the Quarter Ending June 30, 1903.	

Appointments—	
April 6 John C. Stewart, Clerk.	
June 1 Albert Clements, Inspector.	
June 1 John T. Campbell, Inspector.	
June 1 John A. Ebel, Inspector.	
June 1 John H. Collins, Inspector.	
June 1 Frank A. Swanton, Inspector.	
June 1 Francis M. McCoy, Inspector.	

Detailed to This Office—

Clerks, 2; Inspectors, 2; Measurer, 1; Laborer, 1.
 Total Increase in Force—Clerks, 26; Inspectors, 11.
 Total Decrease in Force—Clerks, 7; Inspectors, 4.

EXHIBIT "L."

Statement of Permits Issued for All Purposes and Approximate Revenue Therefrom
 During Quarter Ending June 30, 1903.

Special water permits.....	114	\$2,305 02
Builders' permits.....	337	5,726 44
Shipping permits.....	160	5,817 50
Tap permits.....	761	2,063 25
Street opening permits.....	1,721	860 50
Cement walk permits.....	409	407 62
Continuation permits.....	276	138 00
Draw and plug permits.....	47	47 00
Total.....		\$17,965 33

DOCUMENT "IX."

Department of Water Supply, Gas and Electricity,
 Bureau "Central Office,"
 New York, December 23, 1903.

Hon. ROBERT GRIER MONROE, Commissioner:

Dear Sir—We transmit herewith statements of important transactions of the Bureau "Central Office" for the period from January 1 to June 30, 1903.

Exhibit "A" is a statement of contracts let after advertisement for bids.

Exhibit "B" is a statement of contracts let without advertisement for bids.

Exhibit "C" is an approximate statement of supplies and services for the boroughs of Manhattan, The Bronx, Queens and Richmond obtained on open orders. This statement is arranged to show: (1) the value of the different classes of materials and services; (2) the value of orders given to each house; (3) the value of the orders charged against the various appropriations and bond accounts.

Respectfully,

E. BEARDSLEY,
 General Bookkeeper.

F. W. SHEPARD,
 In Charge of Central Office.

EXHIBIT "A."

Contracts Let After Advertisement for Bids.

Contractor.	Contract.	Borough.	Date.	Surety.	Security.	Estimated Cost.
Norton & Dalton.....	For water mains in Grand, Fulton and Pierce avenues, in Main Munson, etc.....	Queens	Jan. 21	United States Fidelity and Guaranty Company.....	\$15,000 00	\$32,697 40
George D. Harris & Co.....	For coal, 8,600 gross tons of semi-bituminous, 14,600 tons of anthracite.....	Brooklyn	Feb. 26	American Surety Company....	15,000 00	42,828 00
F. F. Meyers, Jr.....	For setting ten ro-ton platform scales and appurtenances at pumping station in Queens.....	Queens	Feb. 28	Aetna Indemnity Company....	500 00	1,065 00
Peter Clark.....	For 14,600 gross tons of anthracite coal.....	Brooklyn	Mar. 4	Empire State Surety Company.	11,000 00	95,422 32
Frank A. Ray.....	For building coal bins at Pumping Stations Nos. 1 and 3, First Ward, and No. 1, Third Ward.....	Queens	Mar. 4	American Surety Company....	1,000 00	3,300 00
Frank A. Ray.....	For building storehouse at Pumping Station No. 3, First Ward; storehouse at Bayside, office, storeroom and shed.	Queens	Mar. 4	American Surety Company....	1,000 00	2,280 00
Peter Lynam.....	For coal for various pumping stations—Mt. Prospect, Shetucket, Forest Stream, etc.....	Brooklyn	Mar. 5	Empire State Surety Company.	9,000 00	13,891 50
Henry Lippis, Jr.....	For water mains in Silver lane, West Farms road, etc.....	Manhattan and The Bronx..	April 7	Empire State Surety Company.	4,000 00	5,227 36
Joseph E. Ennis.....	For 3,600 gross tons anthracite coal.....	Queens	April 23	Aetna Indemnity Company....	5,000 00	25,790 40
Camden Iron Works.....	For single and double nozzle case hydrants.....	Brooklyn	April 24	United States Fidelity and Guaranty Company.....	2,000 00	11,530 00
Gardner Pattison.....	For 14,000 gross tons of anthracite coal.....	Manhattan and The Bronx..	April 29	Aetna Indemnity Company....	20,000 00	87,240 00
H. Mueller Manufacturing Company.....	For corporation cocks, curb cocks, soldering nipples, hydrant nozzles, etc.....	Manhattan and The Bronx..	May 8	American Surety Company....	3,000 00	8,938 60
G. W. Du Bois.....	For 450 gross tons of anthracite coal.....	Richmond	May 11	American Surety Company....	1,000 00	2,133 00
R. W. Gildart.....	For steam packing, lamp and asbestos wick.....	Brooklyn	May 12	American Surety Company....	1,000 00	1,724 80
John Twiname, Jr.....	For one scow at East Branch, one at West Reservoir, two sets of tools each at East, Middle, West, etc.	Manhattan and The Bronx..	May 13	American Surety Company....	1,000 00	1,995 00
Warren Foundry and Machine Company.....	For cast-iron water pipes, branch pipes and special castings.	Manhattan and The Bronx..	June 1	American Surety Company....	10,000 00	33,044 00
M. J. Drummond & Co.....	For cast-iron water pipes, branch pipes and special castings.	Manhattan and The Bronx..	June 2	City Trust, Safe Deposit and Surety Company of Philadelphia.....	10,000 00	32,331 20
John Fox & Co.....	For stop-cocks	Manhattan and The Bronx..	June 3	United States Fidelity and Guaranty Company.....	4,000 00	13,761 00
New Jersey Foundry and Machine Company.....	For five automatic filter controllers at Springfield and ten at Jameco.....	Brooklyn	June 9	American Surety Company....	2,500 00	3,495 00
E. P. Gleason Manufacturing Company.....	For street lamps, boulevard globes, tops and reflectors, bridge globes, etc.....	Manhattan and The Bronx..	June 9	American Surety Company....	2,025 00	4,448 95
Estate of John McClave.....	For storing lumber at Twenty-third street, Twelfth avenue, Twenty-fourth street and Harlem river.	Manhattan and The Bronx..	June 11	National Surety Company....	500 00	2,394 25
M. J. Drummond & Co.....	For street lamps, boulevard globes, tops and reflectors, bridge globes, etc.....	Manhattan and The Bronx..	June 12	City Trust, Safe Deposit and Surety Company of Philadelphia	3,100 00	6,825 50
Bruce & Cook.....	For pig lead.....	Manhattan and The Bronx..	June 15	American Surety Company....	3,000 00	14,353 63
F. F. Fox.....	For street lamps, boulevard globes, tops and reflectors, bridge globes, etc.....	Manhattan and The Bronx..	June 16	City Trust, Safe Deposit and Surety Company of Philadelphia	500 00	1,014 75
Kennedy Valve Manufacturing Company.....	For single and double nozzle New York case hydrants.....	Manhattan and The Bronx..	June 16	American Surety Company....	3,000 00	14,353 63
J. Fox & Co.....	For cast-iron pipes, branch pipes and special castings.....	Manhattan and The Bronx..	June 17	United States Fidelity and Guaranty Company.....	10,000 00	33,324 50
J. Fox & Co.....	For hydrant heads, caps and chains, screws and bridges, etc.	Manhattan and The Bronx..	June 17	United States Fidelity and Guaranty Company.....	500 00	1,675 85
J. Fox & Co.....	For wooden hydrant boxes and white wood plugs.....	Manhattan and The Bronx..	June 17	United States Fidelity and Guaranty Company.....	500 00	2,563 00
Frank McSwegan & Son.....	For installing new boilers and appurtenances at Pumping Stations Nos. 1 to 3, First Ward.....	Queens	June 17	Fidelity and Casualty Company of New York.....	2,000 00	11,200 00
Frank McSwegan, Jr., and F. McSwegan.....	For installing new boiler and appurtenances at Tottenville Pumping Station	Richmond	June 17	Fidelity and Casualty Company of New York.....	500 00	2,800 00
Joseph N. Early.....	For street lamps, boulevard globes, tops and reflectors, bridge globes, etc.....	Manhattan and The Bronx..	June 18	Aetna Indemnity Company....	3,500 00	7,322 15
Rudolph Reimer.....	For 43,700 tons of anthracite coal.....	Brooklyn	June 23	Aetna Indemnity Company....	30,000 00	277,506 00
Edwin Burhorn.....	For retubing Morris boilers Nos. 1, 2, 3, 5, 6, 7, 8 and 9 at R. E. H.....	Brooklyn	June 26	Fidelity and Deposit Company of Maryland	2,500 00	5,498 00
N. Y. Cont. Jewell Filt. Co.....	For remodeling and extending Wantagh Pumping Station with pumping plant, etc.....	Brooklyn	June 27	Fidelity and Deposit Company of Maryland	75,000 00	130,285 00
N. Y. Cont. Jewell Filt. Co.....	For 48-inch water main at Ridgewood Reservoir, in Cypress Hills, etc	Brooklyn	June 27	Fidelity and Deposit Company of Maryland	100,000 00	236,750 00
				Total.....	\$362,625 00	\$1,171,009 79

EXHIBIT "B."

Contracts Let Without Advertisement for Bids.

Contractor.	Contract.	Borough.	Date.	Surety.	Security.	Estimated Cost.
Arthur Turnbull, Chairman.....	For purchase of all property of New York and Westchester Water Company in The City of New York.....	Manhattan and The Bronx..	Jan. 31	.....	.....	\$660,501 74
Arthur Turnbull, Chairman Reorganization Committee New York and Westchester Water Company.....	For supply of water at Glen Park and Pelham Pumping Stations	Manhattan and The Bronx..	Jan. 31	United States Fidelity and Guaranty Company.....	\$10,000 00	25,000 00
Woodhaven Water Supply Company...	For supply of water	Queens	Feb. 28	United States Fidelity and Guaranty Company	15,000 00	10,000 00
				Total.....	\$25,000 00	\$695,501 74

EXHIBIT "C."

Statement of Orders for Supplies and Services for the Period from January 1 to June 30, 1903.
BOROUGHS OF MANHATTAN AND THE BRONX.

	Meters and Repairs.	Relaying Asphalt.	Relaying Mains and Repairs.	Repairs and Supplies, Stop-cocks and Hydrants.	Repairs and Supplies to Pumping Stations, Buildings, Etc.	Pipes, Fittings and Repairs.	Laboratory Supplies.	Fuel.	Hardware and Engine Room Supplies.	Rubber Goods and Packing.	Paints, Etc.	Illuminating and Lubricating Oils.	Lumber.	Professional Services.	Engineering Instruments and Materials.	Blacksmith.	Transportation and Livery Charges.	Furniture and Office Supplies.	Miscellaneous.	Total.
Henry R. Worthington.	\$1,350 65				\$4,966 50															
Hersey Manufacturing Company.	1,351 00																			
National Meter Company.	176 00																			
Thomson Meter Company.	420 00																			
Neptune Meter Company.	405 00																			
John Murphy	8,660 42			\$60 73	\$717 14	33 00														
Alexander McMurray	941 62		\$254 69																	
Uvalde Asphalt Company.			*64 00																	
Warren-Scharf Asphalt Paving Company.			371 98																	
Barber Asphalt Paving Company.			*237 24																	
Asphalt Construction Company.			1,728 00																	
Continental Asphalt Paving Company.			77 07																	
Sicilian Asphalt Paving Company.			57 25																	
Fruin-Bambrick Paving Company.			*15 00																	
Atlantic Alcatraz Paving Company.			787 96																	
Metropolitan Asphalt Paving Company.			*68 00																	
I. J. Dooley.			204 86																	
Hastings Paving Company.			250 80																	
Mack Paving Company.			134 35																	
Wm. E. Booth.			914 10																	
A. P. Smith Manufacturing Company.			395 98																	
J. L. Mott Iron Works.			44 10																	
John Cornwell.			8 97																	
Department of Parks.			464 50																	
Degnon-McLean Construction Company.			*78 00																	
Ludlow Valve Company.			322 50																	
R. D. Wood & Co.			410 79																	
John Fox & Co.			*100 00																	
Topping Bros.			450 00																	
John McLean.			415 50																	
M. J. Drummond.			477 13																	
A. F. Brombacher & Co.			1,621 71																	
Richard Thompson & Co.			385 05																	
Crosby Stem Gauge Company.			385 94																	
Ellsworth Grant.			*300 00																	
Henry Maurer & Sons.			428 12																	
The Wilson Company.			*73 75																	
The Bristol Recording Gauge Company.			214 22																	
Deane Steam Pump Company.			169 84																	
J. J. Lennon.			148 80																	
G. F. Blake Pump Company.			205 00																	
Murtagh & McCarthy.			75 80																	
C. W. Hunt Company.			40 00																	
R. W. Hunt & Co.			14 25																	
Montgomery & Co.			*529 00																	
Empire Brick and Supply Company.			80 00																	
John P. Kane Company.			1,000 00																	
Edmund D. Broderick.			1,026 98																	
L. W. Elliott.			97 60																	
New York Construction and Supply Company.			201 70																	
Ryan & McFerran.			*200 00																	
The Fairbanks Company.			42 08																	
C. H. Curtis & Co.			67 40																	
Holbrook Bros.			52 50																	
James Canapie.			146 00																	
Salamander Grate Bar Company.			319 56																	
D. Acker & Co.			890 00																	
Rider-Ericson Engine Company.			*515 00																	
Alexander Pollock Company.			298 00																	
Westinghouse Air Brake Company.			10 20																	
Schaeffelin & Co.			9 84																	
John C. Gabler.			30 00																	
Alden Sneare's Sons Company.			25 00																	
Edwin Ferris & Co.			20 00																	
A. S. Newman.			30 10																	
John Simmons Company.			8 18																	
T. R. McMann.			3 95																	
Jenkins Bros.			3 75																	
Voorhees Rubber Company.			4																	

BOROUGHS OF MANHATTAN AND THE BRONX—*Continued.*

*Estimated.

BOROUGHS OF MANHATTAN AND THE BRONX—Continued.

	Meters and Repairs.	Relaying Asphalt.	Relaying Mains and Repairs.	Repairs and Supplies, Stop-cocks and Hydrants.	Repairs and Supplies to Pumping Stations, Buildings, Etc.	Pipes, Fittings and Repairs.	Laboratory Supplies.	Fuel.	Hardware and Engine Room Supplies.	Rubber Goods and Packing.	Paints, Etc.	Illuminating and Lubricating Oils.	Lumber.	Professional Services.	Engineering Instruments and Materials.	Blacksmith.	Transportation and Livery Charges.	Furniture and Office Supplies.	Miscellaneous.	Total.
John Moore																				
Geo. B. Prior																				
Samuel R. Knapp																				
Peter Havey																				
Locomobile Company of America																				
J. J. O'Donnell																				
F. S. York																				
Silas F. Hewitt																				
Stearns Bicycle Agency																				
Walter M. Hill																				
Joseph Moss																				
Geo. H. Cornish																				
John Cruthers																				
L. A. Shove																				
New York Central and Hudson River Railroad																				
S. L. Purdy																				
Bernard Lavin																				
William Miller																				
T. J. Brannigan																				
New York, New Haven and Hartford Railroad																				
A. H. Sendale																				
Kipp Wagon Works																				
People's Co-operative Ice Company																				
Wyckoff, Seamans & Benedict																				
Fred Macey Company, Limited																				
New York Mail and Express																				
Stanley & Pattison																				
Martin B. Brown Company																				
Wagner Typewriter Company																				
Manhattan Electric Supply Company																				
Montross, Clark & Emmons																				
Francis Frank																				
J. Polhemus Printing Company																				
Doten-Dunton Desk Company																				
Ammen & Mackel Company																				
Art Metal Construction Company																				
E. L. Powers																				
Globe-Wernicke Company																				
Trow Printing and Binding Company																				
Thomas Sullivan																				
New York Towel Supply Company																				
J. P. McWalters																				
N. Stafford Company																				
Holt & Co.																				
Banks Law Publishing Company																				
Commercial Railway Equipment Company																				
Munson Supply Company																				
Pullman Automatic Ventilator Company																				
E. A. Tucker & Co.																				
Ansonia Clock Company																				
New York Law Journal																				
Rehm & Co.																				
Real Estate Record Association																				
John C. Gabler																				
Moody Publishing Company																				
Kinney, Reimer & Thomson																				
Chemical Publishing Company																				
Baker-Yawter Company																				
International Time Recording Company																				
G. B. Schlude Sons																				
Miller & Dockinger																				
Frank D'Ossone, disposition night soil																				
Stanley M. Seamans, launch																				
American Express Company, expressage																				
New York Staats Zeitung Company, lighting																				
Thomas P. McLaughlin, lighting																				
The Snell Light Company of America, lighting																				
J. C. Vaughan, seeds																				
H. G. McFadden & Co., light supplies																				
E. Fowler, boat																				
N. Y. and N. J. Telephone Company, telephone																				
National Express, expressage																				
Total paid orders	\$13,304 69	\$5,230 20	\$1,470 02	\$4,955 75	\$10,272 04	\$184 45	\$3,147 44	\$16,43 24	\$1,157 69	\$248 18	\$209 78	\$570 89	\$2,608 72	\$7,433 80	\$3,1					

BOROUGH OF QUEENS—*Con'tinued.*

	Meters and Repairs.	Relaying Asphalt.	Relaying Mains and Repairs.	Repairs and Supplies, Stop-cocks and Hydrants.	Repairs and Supplies to Pumping Stations, Buildings, Etc.	Pipes, Fittings and Repairs.	Laboratory Supplies.	Fuel.	Hardware and Engine Room Supplies.	Rubber Goods and Packing.	Paints, Etc.	Illuminating and Lubricating Oils.	Lumber.	Professional Services.	Engineering Instruments and Materials.	Blacksmith.	Transportation and Livery Charges.	Furniture and Office Supplies.	Miscellaneous.	Total.		
Clonin & Messinger.																						
Sexton & Harper.																						
T. R. McMann.																						
W. H. Beebe.																						
Donegan & Swift.																						
John T. Egger.																						
New York Construction and Supply Company.																						
Ashcroft Manufacturing Company.																						
Armstrong Manufacturing Company.																						
F. W. Miller.																						
Neal & Brincker.																						
Empire Brick and Supply Company.																						
Topping Bros.																						
J. Edward Ogden Company.																						
James Keilly Repair and Supply Company.																						
Max E. Kastner.																						
Snow Steam Pump Works.																						
Alfred Nugent.																						
G. F. Blake Pump Works.																						
Henry R. Worthington.																						
Green, Tweed & Co.																						
R. W. Robinson & Co.																						
Queens Borough Boiler Works.																						
John Simmons Company.																						
National Coke and Coal Company.																						
A. M. Wittenberg.																						
John Early Sons.																						
A. F. Brombacher & Co.																						
Dietz Manufacturing Company.																						
Superintendent of State Prisons.																				\$3 38		
John W. Petry.																						
Barstow Stove Company.																						
Goodyear Rubber Company.																						
New York Belting and Packing Company.																						
Voorhees Rubber Company.																						
F. W. Devoe & C. T. Reynolds Company.																						
Solar Hart Company.																						
Standard Oil Company.																				5 75		
Montgomery & Co.																						
Gilbert & Barker Manufacturing Company.																						
John C. Orr & Co.																						
Estate of John McClave.																						
W. H. Wright.																						
Joseph Quinn.																						
Sanborn Map Company.																						
Koelsch & Co.																						
The Bristol Recording Gauge Company.																						
Schaeffer & Budenberg.																				\$29 60		
A. L. Shank.																						
Larkins Bros.																						
Joseph Van Nostrand.																						
James H. Connelly.																						
F. H. Snedecker.																						
C. M. Moseman & Bro.																						
F. C. Ayer.																						
M. Hoyt.																				20 25		
Wyckoff, Seamans & Benedict.																				10 00		
E. H. Bostwick.																				3 50		
Munson Supply Company.																				12 60		
Underwood Typewriter Company.																				30 00		
Herring-Hall-Marvin Safe Company, moving.																				900 00		
William Clifford, mason work.																						
Total paid orders.					\$74 51	\$746 36	\$4,156 60	\$55 00		\$2,885 45	\$305 01	\$285 70	\$156 80	\$22 99	\$541 16	\$110 00	\$50 88	\$574 33	\$1,821 70	\$55 48	\$959 60	\$12,691 57
Total estimated orders.					150 00	288 55									110 00	70 00	20 00				638 55	

BOURough OF RICHMOND

*Estimated.

BOURough OF RICHMOND—Continued

BOROUGH OF RICHMOND—CONTINUED.																				
	Meters and Repairs.	Relaying Asphalt.	Relaying Mains and Repairs.	Repairs and Supplies, Stop-cocks and Hydrants.	Repairs and Supplies to Pumping Stations, Buildings, Etc.	Pipes, Fittings and Repairs.	Laboratory Supplies.	Fuel.	Hardware and Engine Room Supplies.	Rubber Goods and Packing.	Paints, Etc.	Illuminating and Lubricating Oils.	Lumber.	Professional Services.	Engineering Instruments and Materials.	Blacksmith.	Transportation and Livery Charges.	Furniture and Office Supplies.	Miscellaneous.	Total.
Hall Desk Company.....	85 00	.....
Alexander Van Peit, lighting.....	\$600 00	.....
John J. Collins, expressage.....	42 75	.....
Morey & LaRue, expressage.....	9 75	.....
Total paid orders.....	\$38 00	\$97 23	\$512 50	\$17 75	\$547 00	\$87 65	\$652 25
Total estimated orders.....	50 50	.....	.....	.....	.....	.....	50 50	

*Estimated.

RECAPITULATION.

*Estimated

Respectfully submitted,
H. R. EMERSON, Clerk (Bookkeeping).

AN APPROVED PAPER.

Whereas, Saturday, February 20, 1904, is a half holiday, immediately preceding Sunday, February 21, 1904, and Monday, February 22, 1904 (Washington's Birthday); and

Whereas, Many people are desirous of leaving town, and do leave, on the Friday evening preceding the dates above given and remain away until the Tuesday morning following; therefore be it

Resolved, That the heads of the several Departments of the Government of The City of New York be and they are hereby requested to close their offices on Saturday, February 20, 1904, and all other offices not by law required to be kept open for public business to be kept closed on said day.

Adopted by the Board of Aldermen February 16, 1904, a majority of all the members elected voting in favor thereof.

Approved by the Mayor February 17, 1904.

P. J. SCULLY, Clerk.

POLICE DEPARTMENT.

New York, February 10, 1904.

The following proceedings were this day directed by Police Commissioner McAdoo:

Approved.

Recommendation of First Deputy Commissioner McAvoy that Roundsman Louis M. Haupt, Thirty-fifth Precinct, be transferred to the Third Precinct, and Roundsman Nicholas Pound, Sixty-eighth Precinct, to the Thirty-fifth Precinct.

Request of Department of Health that Patrolman William D. Hickey be remanded to patrol duty from the Department of Health, and that Patrolman John R. Martin, Third Precinct, be transferred to said Department.

Referred to the Chief Inspector.

Communication from George Lockhart, commanding Officer No. 3347 for stopping a runaway. For report.

Communication from I. Herman, commanding Patrolman August Schuep, No. 6758, for stopping a runaway. For report.

Communication from N. Reichenbach, commanding Sergeant Collins for stopping a runaway. For report.

Application of Mutual Alliance Trust Company, for appointment of John Pringle as Special Patrolman.

Leave of Absence Granted.

Roundsman William F. Maher, Central Office Squad, twenty days without pay. Doorman Charles E. Rattray, Fifteenth Precinct, five days without pay.

Full Pay Granted.

Patrolman Christian H. Waldeck, Seventieth Precinct, January 20 to February 5, 1904.

Referred to Inspector, Repairs and Supplies.

Communication from Thomas Farley, asking that he be given an opportunity to estimate for goods purchased on requisition.

Resignation Accepted.

Lazzaro Duggi, as Special Patrolman for H. & A. Chapal Freres & Co., Brooklyn.

Retired on Application.

Patrolman Alonzo Howell, Tenement House Squad, \$700 per annum.

Referred to the Bookkeeper.

Communication from the Mayor, requesting monthly trial balance of books of account of the Police Department, to be furnished to the Commissioners of Accounts not later than the fifth day of each month.

Communication from Mary Ticho, asking that balance of pension due her husband, William Schneider, be paid to her. To make payment on receipt of proper release and proof of identity.

Ordered, That Thomas J. Mear, whose name appears upon eligible list of the Municipal Civil Service Commission, dated February 2, 1904, be and is hereby employed on probation as Patrolman.

Ordered, That the Municipal Civil Service Commission be and is hereby informed as to the other names appearing on eligible list for Patrolmen dated February 2, 1904, that Michael B. Meade, was rejected for enlarged heart and varicose veins of both legs; Patrick Mullins was rejected for flat feet and rapid weak heart; William C. Hamilton reported sick, and Robert E. McDonald failed to appear for examination.

On reading and filing report of Captain William H. Shaw, Seventh Precinct, and Inspector Max F. Schmittberger, approved by First Deputy Commissioner Thomas F. McAvoy,

Ordered, That Patrolman Charles A. Elias, Seventh Precinct, be and is hereby "Commended" for prompt action at a fire on the morning of January 27, 1904, at No. 141 East Broadway.

Masquerade Ball Permits Granted.

K. W. Bernhardt, Clinton Assembly Rooms, Brooklyn, February 10; fee, \$10. F. Hottinger, Hottinger's Hall, Queens, February 13; fee, \$10.

G. M. Lucas, Ariel Hall, Queens, February 11; fee, \$5.

Chief Clerk to Answer.

Maryland Casualty Company, asking for 5,000 copies of Rules of the Road. Commissioners of Accounts, relative to manner of auditing City accounts.

Referred to the Comptroller.

Payroll of George Bishop, \$32.

Referred to the Bookkeeper.

Payroll of Terence Leonard and twenty-six others, \$1,882.62.

Payroll of Ernest Harbordt and twelve others, \$166.67.

On File.

Report of Captain Henry W. Burfeind, Nineteenth Precinct, relative to alleged disorderly houses on Twenty-ninth street, between Sixth and Seventh avenues.

Report of Captain Martens, Eleventh Precinct, relative to complaint of Isidore Blauner that his employees are being interfered with by strikers.

Report of Captains Shaw, Seventh Precinct; John F. Flood, Twelfth Precinct; John W. O'Connor, Thirteenth Precinct; John Daly, Fourteenth Precinct, and Stephen W. McDermott, Fifteenth Precinct, relative to complaint of Isidore Blauner that employees of certain firms who are doing work for him are being interfered with by strikers.

Communication from Amasa Thornton, thanking for action taken in granting an additional pension to Matron Fox.

Communication from R. M. Haan, thanking for prompt appointment of James Gilroy as Special Patrolman.

Acknowledgment from World Library of receipt of annual report.

Report of Surgeon John J. Quigley of contagious disease in the family of Patrolman Charles O. Nelson, Thirty-first Precinct.

Report of Surgeon M. R. Palmer of contagious disease in the family of Patrolman James Drum, Thirty-fifth Precinct.

On File—Send Copy.

Report of Captain John W. Cottrell, Seventeenth Precinct, relative to circumstances connected with the death of Patrolman Everett H. Pierson. See letter of Commissioner.

WM. H. KIPP, Chief Clerk.

DEPARTMENT OF HEALTH.

WEEK ENDING SATURDAY, 12 M., FEBRUARY 13, 1904.

BOROUGH.	POPULATION U. S. CEN- SUS 1900.	ESTIMATED POPULATION MIDDLE OF YEAR 1904.	DEATHS.				Births.	Marriages.	Still- births.	DEATH-RATE.	
			1903.	1904.	*Cor- rected 1904.	1903.	1904.	*Cor- rected 1904.	1903.	1904.	*Cor- rected 1904.
Manhattan	1,850,093	1,940,121	835	901	868	838	308	60	22.71	24.23	23.34
† The Bronx	200,507	204,939	108	89	114	17	4	21.00	16.45	15.74	
Brooklyn	1,166,582	1,334,952	483	486	465	468	143	32	19.51	18.99	18.17
Queens	152,099	193,494	60	62	58	59	9	7	17.13	16.72	15.63
Richmond	67,021	74,518	30	36	32	28	3	1	21.56	25.21	22.41
City of New York	3,437,202	3,838,624	1,516	1,578	1,512	1,507	480	104	21.19	21.45	20.55

* Non-residents and infants under 1 week old not included.

† The presence of several large institutions, the great majority of whose inmates are residents of the other boroughs, increases considerably the death-rate of this borough.

Cases of Infectious and Contagious Diseases Reported.

	WEEK ENDING—												
	Nov. 21.	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.
Tuberculosis-Pulmonary	399	257	305	266	318	217	229	301	348	298	316	347	264
Diphtheria and Croup	384	406	408	428	40	379	461	425	395	461	475	327	
Measles	307	267	326	505	566	438	584	789	878	814	852	721	
Scarlet Fever	171	165	211	249	581	277	345	410	305	47	435	412	340
Small-pox	4	..	1	2*	..	1	1	..	..	..	..	5†	..
Typhoid Fever	82	68	104	100	132	116	97	121	181	155	150	108	110
Whooping Cough	68	74	68d	68	46	61	36	42	29	29	24	24	24
Total	1,423	1,270	1,459	1,634	1,757	1,494	1,761	2,140	2,241	2,073	2,226	2,236	1,799

- a. Includes three cases of scarlet fever, three cases of measles and one case of diphtheria at Barge Office.
- b. Includes one case each of measles and scarlet fever at Barge Office.
- c. Includes two cases each of diphtheria, measles and scarlet fever at Barge Office.
- d. Includes four cases of measles at Barge Office.
- e. Includes two cases of diphtheria at Governor's Island.
- f. Includes two cases of measles at Barge Office.
- g. Includes one case of measles and two cases of scarlet fever at Barge Office.
- h. Includes two cases each of measles and scarlet fever at Barge Office.
- j. Including four cases of measles and one case of scarlet fever at Barge Office.
- k. Includes one case each of measles and scarlet fever at Barge Office.
- l. Includes two cases each of diphtheria, measles and scarlet fever at Barge Office.
- m. Includes four cases of measles at Barge Office.
- n. Includes two cases of measles and one case of scarlet fever at Barge Office.
- o. Includes one case of measles from Barge Office.
- p. Includes one case of measles contracted outside of city.
- q. Includes two cases of small-pox contracted outside of city.
- r. Includes two cases of small-pox contracted outside the city.

Deaths by Principal Causes, According to Locality and Age.

BOROUGHS.	Infectious Diseases detailed elsewhere.	Malaria Diseases.
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Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology and Number of Deaths in Public Institutions for 13 Weeks.

	WEEK ENDING—												
	Nov. 21.	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.
Total deaths.....	1,227	1,283	1,313	1,315	1,288	1,321	1,420	1,635	1,610	1,451	1,549	1,590	1,578
Annual death-rate.....	17.15	17.93	18.35	18.38	18.00	18.46	19.30	22.23	21.88	19.72	21.06	21.61	21.45
Typhoid Fever.....	13	17	12	15	13	14	10	10	8	5	7	13	4
Malarial Fevers.....	2	1	2	1	1	2	1	1	2	1	1	1	3
Small-pox.....	..	..	1	6	6	..	6	15	14	21	23	19	14
Measles.....	17	8	6	6	9	6	15	14	21	23	19	18	14
Scarlet Fever.....	8	13	10	3	18	27	23	34	21	30	27	24	30
Whooping Cough.....	2	4	..	4	6	3	2	1	2	2	1	2	5
Diphtheria and Croup.....	44	36	68	41	40	50	58	57	59	35	53	62	56
Influenza.....	3	7	2	4	7	19	15	19	16	17	25	22	22
Tuberculosis Pulmonalis.....	134	162	163	166	144	161	177	158	186	138	149	175	142
Other Tubercular.....	15	26	13	23	18	21	13	27	22	18	32	29	7
Acute Bronchitis.....	38	32	40	43	31	35	41	57	57	41	69	48	44
Pneumonia.....	158	165	164	172	188	178	200	239	225	221	221	213	222
Broncho Pneumonia.....	73	76	81	89	81	94	89	125	128	110	116	104	119
Diarrhoeal Diseases.....	37	29	41	31	31	41	32	33	41	40	31	49	45
Diarrhoeals under 2.....	28	25	33	23	20	33	24	32	36	23	38	37	22
Violent Deaths.....	76	53	71	63	70	73	63	73	70	62	74	84	75
Under one year.....	197	223	212	226	199	203	216	281	266	211	271	237	202
Under five years.....	329	331	351	327	331	363	383	383	412	385	438	387	369
Five to sixty-five.....	684	704	728	755	735	806	865	899	803	785	911	839	10,890
Sixty-five years and over.....	214	188	234	203	222	230	231	289	238	236	278	241	232
In Public and Private Institutions.....	348	336	350	375	351	368	372	410	459	387	446	467	412
Inquest cases.....	189	183	218	190	201	185	192	237	203	183	220	224	206
Mean barometer.....	30.121	29.851	29.328	29.846	30.108	29.729	29.869	29.966	29.785	30.106	30.120	29.924	30.133
Mean humidity.....	72.	81.	77.	75.	86.	76.	71.	50.	60.	82.	61.	54.	.03
Inches of rain and snow.....	.42	.03	.27	.77	.50	1.45	.50	.50	.50	.50	.50	.50	.10
Mean temperature (Fahrenheit).....	40.4°	32.5	32.8	35.4°	26.9°	36.9°	23.7	19.4°	31.1°	26.5°	24.6	26.1°	22.1°
Maximum temperature (Fahrenheit).....	65.°	48.°	43.°	44.°	54.°	52.°	37.	37.°	41.°	54.	39.°	45.°	53.°
Minimum temperature (Fahrenheit).....	26.°	19.°	24.°	27.°	14.°	11.°	11.°	4.°	22.°	2.°	14.	8.°	7.°

Infectious and Contagious Diseases in Hospital.

	WILLARD PARKER HOSPITAL.			RIVERSIDE HOSPITAL.			KINGSTON AVENUE HOSPITAL.			Total		
	Scatter Fever.	Diphtheria.	Total.	Measles.	Scarlet Fever.	Small-pox.	Tuberculosis Pulmonalis.	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.	
Remaining Feb. 6, 1904.....	..	62	62	..	42	136	..	30	217	18	21	76
Admitted.....	..	41	41	3	20	39	..	3	65	2	9	14
Discharged.....	..	20	20	..	22	34	..	1	57	4	8	23
Died.....	..	14	14	..	3	6	..	5	14	2	..	5
Remaining Feb. 13, 1904.....	..	69	69	3	37	125	..	36	211	14	15	62
Total treated.....	..	103	103	3	62	175	..	42	282	20	21	90

Cases of Infectious and Contagious Diseases Reported and Deaths from the Same, by Wards.

BOROUGHS.	WARDS.	SICKNESS.						DEATHS REPORTED.					
		Diphtheria and Croup.	Measles.	Scarlet Fever.	Small-pox.	Tuberculosis Pulmonalis.	Diphtheria and Croup.	Measles.	Scarlet Fever.	Small-pox.	Tuberculosis Pulmonalis.	Diphtheria and Croup.	Measles.
Manhattan.	First.....	2	1	..	..	3	..	..	..	..	..	..	9
	Second.....	..	1	..	..	..	..	..	..	..	..	..	2
	Third.....	..	..	..	..	..	..	..	..	..	..	..	..
	Fourth.....	..	..	..	..	..	..	..	..	..	..	..	..
	Fifth.....	..	..	..	..	..	..	..	..	..	..	..	..
	Sixth.....	..	..	..	..	..	..	..	..	..	..	..	..
	Seventh.....	..	..	..	..	..	..	..	..	..	..	..	..
	Eighth.....	12	6	18	..	2	7	1	..	..	..	..	19
	Ninth.....	7	3	5	..	..	2	1	..	..	..	..	27
	Tenth.....	5	7	9	..	..	10	2	1	..	..	..	27
	Eleventh.....	3	8	9	..	1	9	1	..	..	..	..	26
	Twelfth.....	9	4	10	..	..	5	2	..	..	..	..	30
	Thirteenth.....	52	193	57	..	9	26	9	2	3	..	16	198
	Fourteenth.....	8	3	9	..	..	2	1	..	..	..	..	16
	Fifteenth.....	1	..	..	..	..	2	1	..	..	..	..	24
	Sixteenth.....	5	7	3	..	1	5	6	..	..	..	..	23
	Seventeenth.....	1											

Brown & Fleming Company, per cubic yard, \$0.43 1/2.
Bouker Contracting Company, per cubic yard, \$0.43.

Above contract awarded by the Commissioner on January 26, 1904, to the Bouker Contracting Company, it being the lowest bidder, subject to approval of the Aetna Indemnity Company, as surety, by the Comptroller.

Bids were received and opened January 26, 1904, for furnishing and delivering sawed new yellow pine timber, under Contract No. 826, as follows:

East River Mill and Lumber Company, per 1,000 feet B. M., \$19.40.
Cooney, Eckstein & Co., per 1,000 feet B. M., \$18.94.

Eppinger & Russell Company, per 1,000 feet B. M., \$19.70.

Charles S. Hirsch & Co., per 1,000 feet B. M., \$18.56.

J. H. Burton, per 1,000 feet B. M., \$19.42.

Above contract awarded by the Commissioner on January 26, 1904, to Charles S. Hirsch & Co., they being the lowest bidders, subject to the approval of Samuel A. Hesslein and Louis Timm, as sureties, by the Comptroller.

The following permits were granted:

George Morton—To land the steamers "Fanny Woodhall" and "Peekskill" at Canal street, Pier 33, North river, at the rate of \$5 per day for each boat, payable at the end of each week to the Dockmaster, the privilege to terminate April 30, 1904, unless sooner revoked by the Commissioner of Docks.

Benjamin S. Peck & Co.—To load one scow-load of horse manure at the bulkhead between Ninety-sixth and Ninety-seventh streets, East river, at the rate of \$5 per day, payable to the Dockmaster.

The following permits were granted, the work to be done under the supervision of the Engineer-in-Chief:

Clarence S. Betts—To dredge in front of the platform at the foot of One Hundred and Thirtieth street, Harlem river.

Edison Electric Illuminating Company, of Brooklyn—To lay three submarine cables across Coney Island creek, from the foot of West Seventeenth to the foot of West Eighteenth street (Harway avenue), Coney Island, Borough of Brooklyn, and to construct a manhole at each terminal, the consent of the Department of Bridges having been obtained.

Estate of H. D. Brookman—To repair the crib bulkhead between Thirtieth and Thirty-first streets, East river, the work to be kept within existing lines.

John Cloughen—To erect a dumping board to cover a space 100 feet along the bulkhead between One Hundred and Seventh and One Hundred and Eighth streets, Harlem river, with runway thereto, in lieu of the dumping board heretofore maintained by him thereat, in accordance with plans to be submitted to and approved by the Engineer-in-Chief.

Central Railroad Company of New Jersey—To repair water pipe at Pier, new 46, North river, upon condition that no asphalt pavement shall be disturbed and the pier and shed to be restored to the same condition as they were prior to the granting of the permit.

The following permits were granted to make repairs from time to time, as may be required, the work to be kept within existing lines, to be done under the supervision of the Engineer-in-Chief, and to terminate July 1, 1904, unless sooner revoked by the Commissioner of Docks:

Central Vermont Railway Company, Pier, old 36, East river.

New Jersey and Hudson River Railway and Ferry Company, ferry premises at One Hundred and Thirtieth street, North river.

The Engineer-in-Chief was directed to make the following repairs in accordance with his recommendations:

Water pipe on Pier 33, East river, from time to time, as may be required, at an expenditure not to exceed \$200 in the aggregate.

Pier at the foot of West Forty-fourth street, North river, for a period of six months, at an aggregate expense not to exceed \$1,000.

The Knickerbocker Steam Tugage Company, lessee, was directed to repair Pier, new 1, North river.

The Department of Water Supply, Gas and Electricity was requested to repair the hydrant on the bulkhead between Gansevoort Street Pier and Gansevoort Market Pier, North river.

The following communications were received, action being taken thereon as stated:

From Attorney General—Requesting tracings of lands under water applied for by the Department at the foot of Summerfield avenue, Tyson street and Bard avenue, in the Borough of Richmond. Secretary directed to forward tracings as requested.

From Comptroller—Stating that on January 22, 1904, his certificate was attached to Contract No. 824 for placing an electrolier at the foot of West Twenty-third street, North river. Filed.

From Corporation Counsel—

1st. Stating that the Department of Docks and Ferries has jurisdiction over the Pier erected between Fifty-first and Fifty-second streets, South Brooklyn, and can maintain such pier for public wharfage, and that it is not obliged to turn the pier over to the Second Naval Battalion. Filed.

2d. Stating that on December 18, 1903, the Commissioners of Estimate and Assessment appointed in the proceedings for the acquisition of Pier, old 18, East river, filed their oaths of office, and that title to the property will vest in the City four months after that date. Filed.

3d. Approving terms and conditions of sale of the shed on the West Fifteenth Street Pier, and for the sale of old material. Ordered sold on the dates fixed, viz., old material, February 8, and the shed on February 9, 1904.

4th. Stating that on January 22, 1904, an order was entered discontinuing the action brought by the Consolidated Gas Company against The City of New York, vacating the injunction orders obtained by said company relative to the property at the foot of West Forty-first street, North river. Filed.

From Health Department—Reporting excavation at the foot of East Forty-first street. Said Department notified that the premises have been fenced off.

From Charles McAllister—Accepting the action of the Commissioner of Docks in rejecting all bids on Contract No. 825, for furnishing manila rope. Filed.

From M. K. Neville, for the West End Board of Trade—Suggesting the necessity of providing public piers to furnish wharfage accommodations between Twenty-fourth and Sixtieth streets, South Brooklyn. Said Board notified that the Department has constructed a pier between Fifty-first and Fifty-second streets, South Brooklyn, which is to be open for public wharfage, and that there is now in preparation a contract for the laying of a suitable pavement for an approach to said pier.

From Phoenix Towing and Transportation Company—Transmitting the consent of the sureties to the waiving of the time limit on Contract No. 779, Class 1, for cobble. Time extended to and including January 6, 1904.

From George B. Spearin—Requesting an extension of time to and including January 20, 1904, for the completion of the work of building Pier, new 10, North river, under Contract No. 764. Time extended to and including January 20, 1904, provided the sureties on the contract consent.

From Empire Timber Company—Requesting an extension of time for the delivery of piles under Contract No. 801 to January 22, 1904, and enclosing consent of sureties thereto. Time extended as requested.

From J. F. Wilbert, master of the schooner "John J. Ward"—In relation to damage caused by said schooner to the East Third Street Pier, and requesting that the bill of \$204.75 for repairs to said pier be canceled. Transmitted to Corporation Counsel for his opinion.

From Engineer-in-Chief—

1st. Report for the week ending January 23, 1904, regarding progress and completion of work done under his supervision.

2d. Reporting completion of Contract No. 796 for printing and furnishing specifications and forms of contract, the Martin B. Brown Company, contractors.

3d. Reporting completion of Class 6 of Contract No. 760, for furnishing hose, rubber goods, divers' supplies, etc., J. Edward Ogden Company, contractors.

4th. Reporting heroic action on the part of Officer Muldoon of the Police Department in rescuing a drowning man at the East Twenty-fourth Street Pier. Police Commissioner notified of the facts and advised that the Commissioner of Docks recommends the promotion of Officer Muldoon for bravery.

5th. From the Engineer-in-Chief and Superintendent of Docks—Reporting damage to shed on the West Thirty-fourth Pier by fire.

6th. From the Engineer-in-Chief—Reporting that the structure purchased by Leon Sobel on November 13, 1903, and designated as lot No. 6 on the block between Little

West Twelfth and West Thirteenth streets, westerly of Tenth avenue, has been removed, and recommending that the purchaser be released from the bond furnished by him. Recommendation adopted.

7th. Submitting list of old material and recommending that same be sold at public auction. Recommendation adopted.

8th. Recommending that the Staten Island Rapid Transit Railway Company be notified to cease the dumping of ashes through the trapdoor in the deck of the ferry house at St. George, Borough of Richmond, otherwise a penalty will be imposed in accordance with the rules of the Department. Recommendation adopted and the company so notified.

9th. Stating that the City is about to obtain title to the property between Bloomfield and Little West Twelfth streets, North river, and recommending that the Comptroller be requested not to rent any of the property, as the same will be required by the Department in connection with the improvement of the water front therat. Recommendation adopted.

10th. Recommending the sale of the shed on the West Fifteenth Street Pier at an upset price of \$1,500. Recommendation adopted.

11th. Report on Bureau Order No. 2070, submitting specifications and form of contract for 2,500 hours of towing. Approved, subject to approval of Corporation Counsel as to form, and the contract ordered printed and advertised.

From Superintendent of Docks—Submitting list of vehicles now in the Department pound which have been there for a period of six months or more, and recommending the sale thereof at public auction, pursuant to section 853 of the Greater New York Charter. Ordered advertised.

The following actions were taken in regard to employees:

Municipal Civil Service Commission—

1st. Authorizing the reinstatement of Dennis Callahan as Laborer. Said Callahan reinstated January 22, 1904, as Laborer, with compensation at the rate of 25 cents per hour while employed.

2d. Submitting list of Ship Caulkers. Benjamin Walker and Patrick Murray were appointed Ship Caulkers January 28, 1904, with compensation at the rate of 44 cents per hour while employed.

From Superintendent of Docks—

Reporting death of Joseph F. Cadley, Stenographer, on January 27, 1904. Filed.

The following persons were reappointed as Machinists for a period not exceeding five days from the dates set opposite their names, respectively:

Thomas F. Cooke, No. 74 Beach street, New York, January 25, 1904.

Thomas Keeley, No. 174 East Eightieth street, January 26, 1904.

The following persons were appointed Machinists for a period not exceeding five days from the dates set opposite their names respectively:

John Flaherty, No. 514 East Eighteenth street, New York, January 26, 1904.

James Kelly, No. 863 Tenth avenue, New York, January 28, 1904.

Statement of Moneys Received and Deposited by the Cashier of the Department of Docks and Ferries for the Week Ending January 27, 1904.

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
Jan. 3	Manhattan Railway Company	Three months' rent bulkhead between Seventy-fourth and Seventy-fifth streets, East river.....	\$1,625 00	
Jan. 20	Roscoe G. Carey.....	Three months' rent land and land under water foot of Willow lane, Pelham Bay, Westchester.....	25 00	
Jan. 20	James Shewan & Sons.....	Three months' rent south half Pier foot of East Fourth street.....	437 50	
Jan. 20	J. Reebers' Sons.....	Two months' rent south half of block between One Hundred and Seventeenth and One Hundred and Eighth streets, East river.....	50 00	
Jan. 20	Empire Brick and Supply Company	One month's rent space 50 by 100 feet between Fifty-first and Fifty-second streets, North river.....	25 00	
Jan. 20	Empire Brick and Supply Company	One month's rent space 50 by 100 feet on bulkhead at One Hundred and Forty-first street, Harlem river.....	25 00	
Jan. 20	James B. Brady.....	Three months' rent space 50 by 60 feet on bulkhead between Sixtieth and Sixty-first streets, East river.....	25 00	
Jan. 21	James J. Duffy.....	Three months' rent space 50 by 100 feet between Twenty-eighth and Twenty-ninth streets, North river.	25 00	
Jan. 21	James J. Duffy.....	Three months' rent space 50 by 100 feet between Twenty-eighth and Twenty-ninth streets, North river.	25 00	
Jan. 21	Michael Grant	Three months' rent space 50 by 100 feet between Twenty-eighth and Twenty-ninth streets, North river.	25 00	
Jan. 21	Howland Many	Three months' rent space 50 by 100 feet on north half bulkhead between Piers 4 and 5, East river..	25 00	
Jan. 21	E. & J. Marrin.....	Three months' rent space 50 by 100 feet on bulkhead between Eighteenth and Nineteenth streets, East river	25 00	
Jan. 21	Manhattan State Hospital...	Three months' rent Pier at foot of East One Hundred and Sixteenth street	875 00	
Jan. 22	Central Railroad of New Jersey	Three months' rent 83 feet bulkhead next south of Pier, new 46, North river	500 00	
Jan. 21	Riverside and Fort Lee Ferry	Three months' rent ferry from One Hundred and Thirtieth street, New York, to Fort Lee, N. J....	1,375 00	
Jan. 22	Collectors	Wharfage, Manhattan, Nov., 1903.....	369 82	
Jan. 22	"	" Brooklyn, "	35 36	
Jan. 22	"	" Queens, "	1 00	
Jan. 22	"	" Manhattan, Dec., "	873 53	
Jan. 22	"	" Brooklyn, "	23 21	
Jan. 22	"	" Queens, "	3 60	
Jan. 22	J. B. & J. M. Cornell.....	Three months' rent bulkhead between Piers, new 56 and 57, North river	\$6,419 02	
Jan. 22	Commercial Cable Company	Three months' rent for landing extension of cable at Pier "A" North river	75 00	
Jan. 23	Gustave Knoche	Three months' rent land under water for platform near foot East Eighty-third street	48 75	
Jan. 23	Terry & Tench.....	Three months' rent bulkhead half way between One Hundred and Thirtieth and One Hundred and Thirtieth streets, to north side One Hundred and Thirty-first street, Harlem river	75 00	
Jan. 23	Silver Point Ice Company	One month's rent 150 feet north side Pier foot of West Fifty-fourth street	131 25	
Jan. 23	H. B. Turner.....	Three months' rent south side Pier foot of East Twenty-second street, extending 350 feet from bulkhead, East river	131 25	
Jan. 23	Greater New York Harbor and Land Improvement Company	Three months' rent dumping board 200 feet north side Pier foot Forty-seventh street, North river.....	1,642 50	
Jan. 23	George Grossman	Two months and fifteen days' rent space 50 by 100 feet new made land between One Hundred and Thirty-second and One Hundred and Thirty-third streets, North river	62 33	
Jan. 25	Bart Dunn	Three months' rent Pier foot of Fordham road, Bronx	175 00	
Jan. 25	S. Stewart	One month's rent coal hoist and berth outer end north side Pier at Twenty-eighth street, East river	50 00	
Jan. 25	Estate of John Roach.....	Three months' rent Pier at East Ninth street, south half Pier at East Tenth street and bulkhead between	625 00	

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.
Jan. 26	William Cuff	One month's rent space 50 by 100 feet in rear of bulkhead foot of One Hundred and Fourth street, Harlem river	25 00	
Jan. 26	John Kress Brewing Company	Three months' rent bulkhead south of Fifty-fifth street, East river	50 00	
Jan. 26	William M. Montgomery & Co.	One month's rent south side Pier foot of East One Hundredth street	83 33	
Jan. 26	West Shore Railroad Company	Three months' rent Pier, new 23, and one-half bulkhead each side and extension, North river	11,769 10	
Jan. 26	New York Central Railroad Company	Three months' rent Pier, new 31, North river	6,250 00	
Jan. 26	New York Central Railroad Company	Three months' rent Pier, new 34 and one-half bulkhead south, East river	6,062 50	
Jan. 26	New York Central Railroad Company	Three months' rent Pier foot of Fifty-ninth street, North river	3,500 00	
Jan. 26	New York Central Railroad Company	Three months' rent 93 feet bulkhead north of north side of Watts street, North river	750 00	
Jan. 27	Ph. F. Donohue	Three months' rent bathhouse, etc., at Pier foot of One Hundred and Fifty-fifth street, North river	62 50	
Jan. 27	Curtis & Blaisdell	Three months' rent bulkhead between Ninety-fifth and Ninety-sixth streets, North river	800 00	
Jan. 25	B. Campbell & Co.	One month's rent 100 by 35 feet south of south side of Thirty-fourth street, North river	25 00	
Jan. 25	B. Campbell & Co.	One month's rent space 50 by 100 feet new made land in rear of bulkhead north of Tenth street, North river	25 00	
Nov. 1 1901	New York Contracting and Trucking Company	One month's rent Pier at Seventy-ninth street, North river	100 00	
Jan. 26	West Shore Railroad	Three months' rent ferry foot of Jay street	875 00	
Jan. 26	New York and New Jersey Telephone Company	Three months' rent cable landings at Oakland street, Greenpoint, and East avenue, Long Island City	6 25	
Jan. 26	S. Ransom	Cost of supervising the work of opening pavement to make repairs to water pipe leading to Pier 39, North river	4 95	
Jan. 27	Cornell Steamboat Company	Cost of supervision of work of laying a Croton water supply pipe to Pier foot of West Fifty-first street, North river	15 40	
Jan. 27	Cornell Steamboat Company	Repairs made to Pier at West Fiftieth street where damaged by tug "Osceola"	52 32	
Jan. 26	John H. Shinnagel	Cost of supervision of opening pavement to repair pipe in front of Pier at Twenty-first street, North river	5 00	
Jan. 26	Charles J. Farley et al.	Refund of telephone charges, quarter ending December 31, 1903	12 54	
Jan. 26	Dockmasters	Wharfage, Manhattan, Jan., 1904	767 48	
Jan. 26	"	" Brooklyn	96 85	
Jan. 26	"	" Queens	4 37	
Jan. 26	"	" Richmond	8 33	
Jan. 27	Collectors	" Manhattan, Nov., 1903	70 84	
Jan. 27	"	" Brooklyn	5 80	
Jan. 27	"	" Manhattan, Dec., "	568 00	
Jan. 27	"	" Brooklyn	11 80	
			\$35,710 94	

CHARLES J. COLLINS, Secretary.

BOROUGH OF QUEENS.

COMMISSIONER OF PUBLIC WORKS,
NEW YORK, February 4, 1904.

In accordance with the provisions of section 1546 of chapter 466 of the Laws of 1901, I transmit herewith the following report of the transactions of the office of the Commissioner of Public Works, Borough of Queens, for the week ending December 23, 1903.

JOSEPH BERMEL,
Commissioner of Public Works, Borough of Queens.

PUBLIC MONEYS RECEIVED DURING THE WEEK.

For restoring pavement over street openings \$22 00
Total \$22 00

REQUISITIONS DRAWN ON COMPTROLLER.

Bureau of Highways	\$29,896 65
Bureau of Sewers	3,724 36
Bureau of Street Cleaning	1,190 38
Bureau of Topographical Surveys	4,501 89
Total	\$39,313 28

PERMITS ISSUED.

To open streets to tap water pipes	9
To open streets to repair water connections	5
To open streets to make sewer connections	1
To open streets to repair sewer connections	1
Special permits	10
To cross sidewalks	1
To repair sidewalks	1
Total	28

BUREAU OF HIGHWAYS.

Work Done Week ending December 19, 1903.

Paved streets—
Square yards of granite repaired 630
Square yards of cobble repaired 41
Loads of sand used 68
Loads of stone hauled 6

Macadamized streets—
Loads of screenings used in repairs 24
Loads of wornout material hauled away 13
Loads of sand used 378
Square yards of roads sanded 15,358

Unpaved streets—
Loads of dirt hauled away 790
Square yards of roads graded 2,585
Square yards of sidewalks graded 50
Loads of dirt put on 1,760

Gutters—
Linear feet of gutters cleaned 1,505

Miscellaneous—
Square feet of flagstones relaid 680
Trees cut down 5
Trees trimmed 40

Loads of limbs removed	24
Loads of dirt used in washouts	255
Cubic yards of washouts filled	170
Cubic yards of screenings unloaded from scow	188
Viaducts and bridges—	
Yards of stone pointed up	18 1/2
Yards of stone reset	19
Linear feet of Culverts repaired	254
Linear feet of sewer flushed	1,200
Number of basins repaired	3
Number of basins relieved	10
Linear feet of sewer relieved	325
Number of manhole covers put on	1

Street Sweepings, Garbage, etc., Collected and Disposed of.

Ashes, loads	743 1/2
Sweepings, loads	205 3/4
Garbage, loads	94 1/4
Rubbish, loads	64 3/4
Number of miles of streets swept	50

Bureau of Public Buildings and Offices.

Carpenter work, plastering, plumbing, repairs to buildings and cleaning.

Bureau of Topographical Surveys.

Under Way—Damage maps of Elm street and Brill street, benefit maps of Academy street, Blackwell street and Walcott avenue; grade maps of Ravenswood, plotting street lines at Richmond Hill, field work plane table survey at Morris Park; leveling centre line, Blackwell, Flushing and Barton streets and Broadway; setting stakes at Dunton and vicinity, locating streets at Richmond Hill.

Bureau of Highways.

Statement of Laboring Force Employed week ending December 19, 1903.

132 Mechanics, 137 Laborers, 11 teams, 113 horses and carts.

Bureau of Sewers.

20 Mechanics, 20 Laborers.

Bureau of Street Cleaning.

46 Mechanics, 36 Laborers, 10 teams, 22 horses and carts.

Bureau of Public Buildings and Offices.

43 Mechanics.

Bureau of Topographical Surveys.

8 Assistant Engineers, 10 Draughtsmen, 4 Transitmen, 2 Foremen, 2 Assistants, 3 Drivers, 19 Laborers.

BOARD OF ASSESSORS.

New York, January 7, 1904.

Meeting of the Board of Assessors held this 7th day of January, 1904.

Present—Charles A. O'Malley, President pro tem., and Antonio Zucca.

The following assessments were confirmed without objection:

BOROUGH OF BROOKLYN.

List 7550. Regulating and grading Sixty-first street, between Fourth and Fifth avenues.

List 7559. Regulating, grading, etc., East Nineteenth street, from Beverly road to Tennis court.

List 7551. Regulating, grading, etc., Sterling place, between Albany and Kingston avenues.

List 7598. Regulating, grading, etc., Seventy-third street, between Third and Fourth avenues.

List 7601. Regulating, grading, etc., Magenta street, between Euclid avenue and Crescent street.

All objections to the following assessments were overruled and the lists sent to the Board of Revision:

List 7562. Repaving Cherry street for a distance of 150 feet westerly from Jefferson street (a grant of land under water), Manhattan.

List 7628. Sanitary sewer in First street, from Clinton avenue 290 feet eastward, Richmond.

The Board adjourned.

WM. H. JASPER, Secretary.

BOARD OF ASSESSORS.

New York, January 14, 1904.

Meeting of the Board of Assessors held this 14th day of January, 1904.

Present—Robert Muh, President, Antonio Zucca and Charles A. O'Malley.

The following assessments were confirmed without objection:

BOROUGH OF BROOKLYN.

List 7642. Laying cement sidewalk on the east side of Essex street, between Atlantic and Liberty avenues.

List 7643. Laying cement sidewalk on the west side of Essex street, between Atlantic and Liberty avenues.

List 7644. Laying cement sidewalk on the east side of Essex street, between Glenmore and Pitkin avenues.

List 7645. Laying cement sidewalk on the west side of Essex street, between Glenmore and Pitkin avenues.

List 7646. Laying cement sidewalk on the east side of Essex street, between Liberty and Glenmore avenues.

List 7647. Laying cement sidewalk on the west side of Essex street, between Liberty and Glenmore avenues.

List 7648. Laying cement sidewalk on the northeast side of Evergreen avenue, between De Kalb avenue and Cedar street.

List 7649. Laying cement sidewalk on the northeast side of Irving avenue, between Stanhope and Himrod streets.

List 7650. Laying cement sidewalk on the east side of Linwood street, between Glenmore and Pitkin avenues.

List 7651. Laying cement sidewalk on the east side of Linwood street, between Liberty and Glenmore avenues.

List 7652. Laying cement sidewalk on the southeast side of Putnam avenue, between Bushwick and Evergreen avenues.

List 7653. Laying cement sidewalk on the southwest side of St. Nicholas avenue, between Bleecker and Ralph streets.

List 7654. Laying cement sidewalk on the northeast side of St. Nicholas avenue, between Greene avenue and Bleecker street.

List 7655. Laying cement sidewalk on the northeast side of St. Nicholas avenue, between Greene avenue and Bleecker street.

List 7656. Laying cement sidewalk on the northeast side of St. Nicholas avenue, between Harman street and Greene avenue.

List 7657. Laying cement sidewalk on the southwest side of St. Nicholas avenue, between Harman street and Greene avenue, and on the northwest side of Greene avenue, between Wyckoff and St. Nicholas avenues.

List 7658. Flagging sidewalk on the northwest side of Eighth avenue, between Second and Third streets.

List 7659. Flagging sidewalk on the southeast side of Eighth avenue, between Second and Third streets.
 List 7660. Flagging sidewalk on the southeast side of Eighth avenue, between Third and Fourth streets.
 List 7661. Flagging sidewalks on the northwest side of Eighth avenue, between Fourth and Fifth streets.
 List 7662. Flagging sidewalks on the southeast side of Eighth avenue, between Fourth and Fifth streets.
 List 7663. Flagging sidewalks on the northwest side of Eighth avenue, between Fifth and Sixth streets.
 List 7664. Flagging sidewalks on the southeast side of Eighth avenue, between Fifth and Sixth streets.
 List 7665. Flagging sidewalks on the southeast side of Eighth avenue, between Seventh and Eighth streets.
 List 7666. Flagging sidewalk on the north side of High street, between Bridge and Jay streets.
 List 7667. Flagging sidewalks on the north side of Prospect place, between Grand and Classon avenues.
 List 7668. Flagging sidewalks on the south side of Sterling place, between Flatbush and Vanderbilt avenues.
 List 7669. Flagging sidewalks on the east side of Third avenue, between Butler and Douglass streets.
 List 7670. Flagging sidewalks on the west side of Third avenue, between De-graw and Sackett streets.
 List 7671. Flagging sidewalks on the west side of Third avenue, between De-graw and Sackett streets.
 List 7672. Flagging sidewalks on the west side of Washington avenue, between St. Mark's avenue and Prospect place.
 Assessment List 7437, paving One Hundred and Fifteenth street from Amsterdam to Morningside avenue, Borough of Manhattan, having been revised as directed by the Board of Revision, and no further objection received, was confirmed. In the matter of the assessment for paving Broadway from 688 feet north of One Hundred and Eighty-seventh street to Dyckman street, Borough of Manhattan, it was decided to apportion the assessment heretofore placed on Block 2179, Lot No. 840, by placing two-thirds thereof on that lot and the remaining one-third on Block 2179, Lot No. 916.

The annual report for 1903 was signed and transmitted to the Mayor.

The Board adjourned.

WILLIAM H. JASPER, Secretary.

BOROUGH OF BROOKLYN.

REPORT OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN FOR THE WEEK ENDING FEBRUARY 6, 1904.

COMMISSIONER OF PUBLIC WORKS.

BUREAU OF PUBLIC BUILDINGS AND OFFICES.

During the week ending February 6, 1904, seventy-one orders—thirty-one for supplies and forty for repairs—were issued by this Bureau.

Bills amounting in the aggregate to \$259.63 were forwarded during the week for transmission to the Comptroller's office for payment.

Appointments.

Four reappointments, three appointments, one appointment by transfer.

Removals.

Six Carpenters dismissed.

BUREAU OF INCUMBRANCES AND PERMITS.

Complaint Department.

Bureau of Complaints	1
Office	3
Inspectors	23
Total	27
Classification and Disposal—	

Slot machines found removed upon reinspection	1
Showcases found removed upon reinspection	1
Trees and limbs removed by Bureau of Incumbrances	12
Miscellaneous removed by Bureau of Incumbrances	6
Total	20

Inspectors' Department.

Complaints made	23
Complaints settled	17
Slips settled	23

Permit Department.

Permits—	
Building material	3
Vaults	3
Crosswalks	5
Special	91
Total	102

Permits Passed—	
Tap water pipes	3
Repair water connections	58
Sewer connections	4
Sewer connection repairs	6
Total	71

Cashier's Department.

Moneys Received—	
Repaving over water connections	\$182 00
Repaving over sewer connections	20 00
Total	\$202 00

BUREAU OF SEWERS.

	Number of.	Amount.	Appropriations.	Funds
<i>Moneys Received.</i>				
For sewer permits		\$40 00		
Number of permits issued	10			
For new sewer connections	4			
For old sewer connections (repairs)	6			
Requisitions drawn on Comptroller	5	\$1,587 21	\$42,852 73	
Linear feet of sewer built	208			
Linear feet of sewer cleaned	4,850			
Number of basins examined	338			
Number of manholes built	7			
Number of cubic yards dredged	5,891			

Laboring Force Employed During the Week.

	Inspectors of Foremen. Mechanics. Laborers.	Horses and Carts.
Sewer repairing and cleaning, payroll and supplies	7	40
Street Improvement Fund	40	...
Twenty-sixth Ward Disposal Works	1	9
Thirty-first Ward Disposal Works	1	7

Appointments.

BUREAU OF HIGHWAYS.

Division of Street Repairs.

Force Employed on Repairs to Street Pavements—	
Mechanics	2
Laborers	23
Horses and wagons	7
Horses and carts	1
Foremen	13

Work Done by Connection Gangs—

Dangerous holes repaired and made safe	5
Complaints received	2
Defects remedied	8

Work Done by Repair Gangs—

Snow removed from cross-walks, sewer basins and around fire hydrants, miles	24.1
Roadways sanded, miles	14.7
Snow spread upon roadways, miles	5.0

Snow removed from Lafayette avenue, between Flatbush avenue and Fulton street.

Snow removed from Wallabout Yard.

Snow and ice were removed from subway at Manhattan Crossing and Avenue U.

Total number of square yards of pavement repaired	6
Square feet of flagging relaid	12
Force Employed on Macadam and Unimproved Roadways—	
Mechanics	2
Laborers	10
Horses and wagons	2
Horses and carts	3
Foremen	4

Amount of payroll, 1904 \$1,405 00

Connections in macadam pavements repaired.

J. C. BRACKENRIDGE, Commissioner of Public Works.

Operations of the Bureau of Buildings, Borough of Brooklyn, for the Week Ending February 6, 1904.

Permits issued for new buildings (brick), estimated cost, \$132,500	15
Permits issued for new buildings (frame), estimated cost, \$84,500	33
Permits issued for alterations (estimated cost, \$31,055)	45
Building slip permits issued, estimated cost, \$14,321	36
Plumbing slip permits issued, estimated cost, \$1,110	9
Bay window permits issued, estimated cost, \$3,125	16
Unsafe cases filed	8
Violation cases filed	69
Fire escape cases filed	9
Unsafe notices issued	8
Violation notices issued	69
Fire escape notices issued	9
Complaints received	22

Operations of the Bureau of Buildings, Borough of Brooklyn, for Corresponding Week Ending February 7, 1903.

Plans filed for new buildings (brick), estimated cost, \$701,400	36
Plans filed for new buildings (frame), estimated cost, \$92,960	30
Plans filed for alterations, estimated cost, \$28,948	33

MARTIN W. LITTLETON, President, Borough of Brooklyn.

CHANGES IN DEPARTMENTS.

DEPARTMENT OF FINANCE.

February 16—Appointed: John J. Berlinghoff, No. 821 Forest avenue, Junior Clerk, temporarily; salary \$600 per annum, from February 8, 1904.

BUREAU OF BUILDINGS.

Borough of The Bronx.

February 18—Change in rate of compensation of employees in this Bureau, to take effect February 1, 1904: Denis J. Daly, Clerk; salary fixed at \$1,500 per annum.

February 17—Frank Moore, Inspector of Plumbing in the Bureau of Buildings, Borough



OFFICIAL DIRECTORY.

CITY OFFICERS.

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 heads of Departments and Courts;

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 5 City Hall, 9 a. m. to 4 p. m.; Saturdays 9 a. m. to 12 m.

Telephone, 1929 Cortlandt.

GEORGE B. McCLELLAN, Mayor.

JOHN H. O'BRIEN, Secretary.

G. TALTON GOLDFTHWAITE, Assistant Secretary.

THOMAS HASSETT, Chief Clerk.

Bureau of Licenses.

9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 706 Cortlandt.

JOHN P. CORRIGAN, Chief of Bureau.

Principal Office, Room 1, City Hall; GAETANO D'AMATO, Deputy Chief, Boroughs of Manhattan and The Bronx.

Branch Office, Room 12, Borough Hall, Brooklyn; DANIEL J. GRIFFIN, Deputy Chief, Borough of Brooklyn.

Branch Office, Richmond Building, New Brighton, S. I.; WILLIAM R. WOELFEL, Financial Clerk, Borough of Richmond.

Branch Office, Hackett Building, Long Island City; CHARLES H. SMITH, Financial Clerk, Borough of Queens.

THE CITY RECORD OFFICE.

Bureau of Printing, Stationery and Blank Books. Supervisor's Office, Park Row Building, No. 21 Park Row, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 1505 and 1506 Cortlandt. Supply Room, No. 2 City Hall.

PATRICK J. TRACY, Supervisor; HENRY MC-MILLEN, Deputy Supervisor.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.

City Hall, Rooms 11-12, 10 a. m. to 4 p. m.; Saturdays, 10 a. m. to 12 m.

Telephone, 5365 Cortlandt.

P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen.

THOMAS MURPHY, First Deputy City Clerk.

MICHAEL F. BLAKE, Chief Clerk of the Board of Aldermen.

JOSEPH V. SCULLY, Deputy City Clerk, Borough of Brooklyn.

THOMAS J. McCABE, Deputy City Clerk, Borough of The Bronx.

WILLIAM R. ZIMMERMAN, Deputy City Clerk, Borough of Queens.

MICHAEL J. COLLINS, Deputy City Clerk, Borough of Richmond.

BOARD OF ALDERMEN.

No. 11 City Hall, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 39 Cortlandt.

CHARLES V. FORNES, President.

P. J. SCULLY, City Clerk.

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 noon.

EDWARD M. GROUT, Comptroller.

N. TAYLOR PHILLIPS and JAMES W. STEVENSON, Deputy Comptrollers.

HUBERT L. SMITH, Assistant Deputy Comptroller.

OLIVER E. STANTON, Secretary to Comptroller.

Main Division.

H. J. STORRS, Chief Clerk, Room 11.

Bookkeeping and Awards Division.

JOSEPH HAAG, Chief Bookkeeper, Room 8.

Stock and Bond Division.

JAMES J. SULLIVAN, Chief Stock and Bond Clerk, Room 39.

Bureau of Audit—Main Division.

WILLIAM MCKINNEY, Chief Auditor of Accounts, Room 27.

Law and Adjustment Division.

JAMES F. MCKINNEY, Auditor of Accounts, Room 183.

Investigating Division.

ROBERT B. MCINTYRE, Examiner in Charge, Room 173.

Charitable Institutions Division.

DANIEL C. POTTER, Chief Examiner of Accounts of Institutions, Room 49.

Bureau of the City Paymaster.

No. 83 Chambers street and No. 65 Reade street.

JOHN H. TIMMERMANN, City Paymaster.

Bureau of Engineering.

Stewart Building, Chambers street and Broadway.

EUGENE E. MCLEAN, Chief Engineer, Room 55.

Real Estate Bureau.

MORTIMER J. BROWN, Appraiser of Real Estate, Room 159.

Bureau for the Collection of Taxes.

Borough of Manhattan—Stewart Building, Room O.

DAVID E. AUSTEN, Receiver of Taxes.

JOHN J. McDONOUGH, Deputy Receiver of Taxes.

Borough of The Bronx—Municipal Building, Third and Tremont avenues.

JOHN B. UNDERHILL, Deputy Receiver of Taxes.

Borough of Brooklyn—Municipal Building, Rooms 2-8.

JACOB S. VAN WYCK, Deputy Receiver of Taxes.

Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City.

FREDERICK W. BLECKWENN, Deputy Receiver of Taxes.

Borough of Richmond—Bay and Sand streets, Stapleton.

JOHN DEMORGAN, Deputy Receiver of Taxes.

Bureau for the Collection of Assessments and Arrears.

Borough of Manhattan—Stewart Building, Room 81.

EDWARD A. SLATTERY, Collector of Assessments and Arrears.

JOHN B. ADGER MULLALLY, Deputy Collector of Assessments and Arrears.

Borough of The Bronx—Municipal Building, Rooms 1-3.

JAMES J. DONOVAN, Jr., Deputy Collector of Assessments and Arrears.

Borough of Brooklyn—Municipal Building.

SAMUEL N. GARRISON, Deputy Collector of Assessments and Arrears.

Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City.

PATRICK E. LEARY, Deputy Collector of Assessments and Arrears.

Borough of Richmond—Bay and Sand streets, Stapleton.

GEORGE BRAND, Deputy Collector of Assessments and Arrears.

Bureau for the Collection of City Revenue and of Markets.

Stewart Building, Chambers street and Broadway, Room 139.

WILLIAM T. GOUNDIE, Collector of City Revenue and Superintendent of Markets.

JAMES H. BALDWIN, Deputy Collector of City Revenue.

DAVID O'BRIEN, Deputy Superintendent of Markets.

Bureau of Municipal Accounts and Statistics.

Stewart Building, Chambers street and Broadway.

JOHN R. SPARROW, Supervising Accountant and Statistician, Room 173.

LAW DEPARTMENT.

Office of Corporation Counsel.

Staats-Zeitung Building, 2d, 3d and 4th floors, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

Telephone, 5366 Cortlandt.

JOHN J. DELANY, Corporation Counsel.

Assistants—THEODORE CONNOLY, CHARLES D. OLENDORF, GEORGE L. STERLING, CHARLES L. GUY, DR. WILLIAM J. O'SULLIVAN, JAMES LINDSAY GORDON, ARTHUR C. BUTTS, JAMES T. MALONE, JOHN L. O'BRIEN, HARTFORD PINCKNEY WALKER, JOHN P. O'BRIEN, THOMAS F. NOONAN, CHARLES MCINTYRE, JOHN C. BRECKINRIDGE.

Secretary to the Corporation Counsel—WILLIAM F. CLARKE.

JAMES D. BELL, Assistant, in charge of Brooklyn branch office.

GEORGE E. BLACKWELL, Assistant, in charge of Queens branch office.

DOUGLAS MATHEWSON, Assistant, in charge of Bronx branch office.

ALBERT E. HADLOCK, Assistant, in charge of Richmond branch office.

ANDREW T. CAMPBELL, Chief Clerk.

Tenement House Bureau and Building Bureau.

No. 61 Irving place, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to noon.

JOHN P. O'BRIEN, Assistant, in charge.

Bureau for Collection Arrears of Personal Taxes.

No. 280 Broadway (Stewart Building). Office hours for the public, 10 a. m. to 2 p. m.; Saturdays, 10 a. m. to 12 m.

HENRY STEINERT, Assistant, in charge.

Bureau for the Recovery of Penalties.

Nos. 119 and 121 Nassau street, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

HERMAN STIEFEL, Assistant, in charge.

Bureau of Street Openings.

Nos. 90 and 92 West Broadway, 9 a. m. to 5 p. m.; Saturdays, 9 a. m. to 12 m.

JOHN P. DUNN, Assistant, in charge.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 a. m. to 4 p. m. Telephone, 4315 Franklin.

JOHN C. HERTLE, WILLIAM HARMON BLACK, Commissioners.

COMMISSIONERS OF SINKING FUND.

GEORGE B. MCLELLAN, Mayor, Chairman; EDWARD M. GROUT, Comptroller; PATRICK KEENAN, Chamberlain; CHARLES V. FORNES, President of the Board of Aldermen, and JOHN T. MC CALL, Chairman, Finance Committee, Board of Aldermen, Members. N. TAYLOR PHILLIPS, Deputy Comptroller, Secretary.

Office of Secretary, Room No. 12, Stewart Building.

BOARD OF ESTIMATE AND APPORTIONMENT.

Telephone, Finance Department, 2070 Franklin.

Telephone, Public Improvements, 8020 Cortlandt.

The MAYOR, Chairman; the COMPTROLLER, President of the Board of Aldermen, President of the Borough of Manhattan, President of the Borough of Brooklyn, President of the Borough of The Bronx, President of the Borough of Queens, President of the Borough of Richmond.

JAMES W. STEVENSON, Deputy Comptroller, Secretary, Finance Department, No. 280 Broadway; JOHN H. MOONEY, Assistant Secretary, Public Improvements, City Hall; CHARLES V. ADAMS, Clerk of the Board, Finance Department, No. 280 Broadway.

AQUEDUCT COMMISSIONERS.

Room 207, Stewart Building, 5th floor, 9 a. m. to 4 p. m. Telephone, 1942 Franklin.

The MAYOR, the COMPTROLLER, *ex officio*; Commissioners WILLIAM H. TEN EYCK (President), JOHN J. RYAN, WILLIAM E. CURTIS and JOHN P. WINDOLPH; HARRY W. WALKER, Secretary; JONAS WALDO SMITH, Chief Engineer.

BOARD OF ARMORY COMMISSIONERS.

The MAYOR, GEORGE B. MCLELLAN, Chairman; THE PRESIDENT OF THE DEPARTMENT OF TAXES AND ASSESSMENTS, FRANK A. O'DONNELL, Vice-Chairman; THE PRESIDENT OF THE BOARD OF ALDERMEN, CHARLES V. FORNES; Brigadier-General JAMES MCLELLAN and Brigadier-General GEORGE MOORE SMITH, Commissioners.

EUGENE A. FORNES, Secretary, and FRANK J. BELL, Acting Secretary, Stewart Building, No. 280 Broadway.

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 a. m. to 4 p. m.

Telephone, 3100 Spring.

WILLIAM MCADOO, Commissioner.

THOMAS F. MC AVOY, First Deputy Commissioner.

HENRY F. HAGGERTY, Second Deputy Commissioner.

JOHN F. COWAN, Third Deputy Commissioner.

Manhattan, Repairs and Supplies, Bills and Accounts, 9 a. m. to 4 p. m.; Saturdays, 12 m.

BOROUGH OFFICES.

Borough of Manhattan.

Office of the President, Nos. 10, 11 and 12 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

JOHN F. AHEARN, President.

BERNARD DOWNING, Secretary.

ISAAC A. HOPPER, Superintendent of Buildings.

WILLIAM DALTON, Commissioner of Public Works.

JAMES J. HAGAN, Assistant Commissioner of Public Works.

WILLIAM H. WALKER, Superintendent of Public Buildings and Offices.

MATTHEW F. DONOHUE, Superintendent of Sewers.

JOHN L. JORDAN, Assistant Superintendent of Buildings.

GEORGE F. SCANNELL, Superintendent of Highways.

WILLIAM MARTIN AIKEN, Consulting Architect for the Borough of Manhattan.

Borough of The Bronx.

Office of the President, corner Third avenue and One Hundred and Seventy-seventh street, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

LOUIS F. HAFFEN, President.

HENRY A. GAMBELTON, Secretary.

PATRICK J. REVILLE, Superintendent of Buildings.

HENRY BRUCKNER, Commissioner of Public Works.

Borough of Brooklyn.

President's Office, No. 11 Borough Hall, 9 A. M. to 4:30 P. M.; Saturdays, 9 A. M. to 12 M.

MARTIN W. LITTLETON, President.

JOHN A. HEFFERNAN, Secretary.

JOHN C. BRACKENRIDGE, Commissioner of Public Works.

JAMES S. REGAN, Assistant Commissioner of Public Works.

PETER J. COLLINS, Superintendent of Buildings.

GEORGE W. TILLSON, Chief Engineer in Charge, Bureau of Highways.

ARTHUR J. O'KEEFE, Superintendent of the Bureau of Sewers.

CHARLES C. WISE, Superintendent of the Bureau of Public Buildings and Offices.

JAMES A. ROONEY, Supervisor of Complaints.

Borough of Queens.

President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City.

JOSEPH CASSIDY, President.

GEORGE S. JERVIS, Secretary to the President.

JOSEPH BERMEL, Commissioner of Public Works.

SAMUEL GREENON, Superintendent of Highways.

Office, Hackett Building, Long Island City.

JOSEPH P. POWERS, Superintendent of Buildings.

PHILIP T. CRONIN, Superintendent of Public Buildings and Offices.

MATTHEW J. GOLDNER, Superintendent of Sewers.

Office, Long Island City, 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. until 12 M.

Borough of Richmond.

President's Office, New Brighton, Staten Island.

GEORGE CROMWELL, President.

MAYBURY FLEMING, Secretary to the President.

LOUIS LINCOLN TRIBUS, Commissioner of Public Works.

JOHN SEATON, Superintendent of Buildings.

JOHN TIMLIN, Jr., Superintendent of Public Buildings and Offices.

H. E. BUEL, Superintendent of Highways.

RICHARD T. FOX, Superintendent of Street Cleaning.

Office of the President, First National Bank Building, New Brighton, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

CORONERS.

Borough of Manhattan—Office, New Criminal Court Building. Open at all times of day and night.

SOLOMON GOLDENKRAZ, NICHOLAS T. BROWN, GUSTAV SCHOLER, MOSES J. JACKSON.

Borough of The Bronx—Corner of Third avenue and One Hundred and Seventy-seventh street.

Telephone, 333 Tremont.

WALTER H. HENNING, Chief Clerk.

WILLIAM O'GORMAN, Jr.; JOSEPH J. BERRY.

Borough of Brooklyn—Office, Room 17, Borough Hall. Telephone, 4004 Main and 4005 Main.

PHILIP T. WILLIAMS, MICHAEL J. FLAHERTY.

JAMES L. GERON, Chief Clerk.

Open at all hours of day and night, except between the hours of 12 M. and 5 P. M. on Sundays and holidays.

Borough of Queens—Office, Borough Hall, Fulton street, Jamaica, L. I.

SAMUEL D. NUTT, LEONARD RUOFF, Jr.

MARTIN MAGER, Jr., Chief Clerk.

Office hours from 9 A. M. to 4 P. M.

Borough of Richmond—No. 46 Richmond road, Stapleton. Open for the transaction of business all hours of the day and night.

GEORGE F. SCHAFER.

NEW YORK COUNTY OFFICES.

SURROGATE.

New County Court-house. Court open from 9 A. M. to 4 P. M., except Saturdays, when it closes at 12 M. During the months of July and August the hours are from 9 A. M. to 2 P. M.

FRANK T. FITZGERALD, ABNER C. THOMAS, Surrogates; WILLIAM V. LEARY, Chief Clerk.

SHERIFF.

Stewart Building, 9 A. M. to 4 P. M.

MICHAEL L. ERLANGER, Sheriff; JULIUS HARBURGER, Under Sheriff.

COUNTY JAIL.

No. 70 Ludlow street, 6 A. M. to 10 P. M. daily.

MICHAEL L. ERLANGER, Sheriff.

THOMAS H. SULLIVAN, Warden.

DISTRICT ATTORNEY.

Building for Criminal Courts, Franklin and Centre streets.

Office hours from 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.

WILLIAM TRAVERS JEROME, District Attorney.

JOHN A. HENNEBERRY, Chief Clerk.

REGISTER.

No. 116 Nassau street. Office hours from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

During the months of July and August the hours are from 9 A. M. to 2 P. M.

JOHN H. RONNER, Register; HENRY H. SHERMAN, Deputy Register.

COUNTY CLERK.

No. 8, 9, 10 and 11 New County Court-house. Office hours from 9 A. M. to 2 P. M.

THOMAS L. HAMILTON, County Clerk.

HENRY BIRRELL, Deputy.

PATRICK H. DUNN, Secretary.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.

THOMAS ALLISON, Commissioner.

MATTHEW F. NEVILLE, Assistant Commissioner.

FREDERICK P. SIMPSON, Assistant Commissioner.

FREDERICK O'BRYNE, Secretary.

PUBLIC ADMINISTRATOR.

No. 119 Nassau street, 9 A. M. to 4 P. M.

WILLIAM M. HOES, Public Administrator.

KINGS COUNTY OFFICES.

COUNTY COURT, KINGS COUNTY.

County Court-house, Brooklyn, Rooms, 10, 19, 22 and 23. Court opens at 10 A. M. daily, and sits until business is completed. Part I, Room No. 23; Part II, Room No. 10, Court-house. Clerk's Office, Rooms 19 and 22, open daily from 9 A. M. to 4 P. M.; Saturdays, 12 M.

JOSEPH ASPINALL and FREDERICK E. CRANE, County Judges.

CHARLES S. DEVON, Chief Clerk.

SURROGATE.

Hall of Records, Brooklyn, N. Y.

JAMES C. CHURCH, Surrogate.

WILLIAM P. PICKETT, Clerk of the Surrogate's Court.

Court opens at 10 A. M. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

SHERIFF.

County Court-house, Brooklyn.

9 A. M. to 4 P. M.; Saturdays, 12 M.

HENRY HESTERBERG, Sheriff.

COUNTY JAIL.

Raymond street, between Willoughby street and DeKalb avenue, Brooklyn, New York.

W. E. MELODY.

DISTRICT ATTORNEY.

Office, County Court-house, Borough of Brooklyn, Hours, 9 A. M. to 5 P. M.

JOHN F. CLARKE, District Attorney.

REGISTER.

Hall of Records. Office hours, 9 A. M. to 4 P. M., except months of July and August; then from 9 A. M. to 2 P. M., provided for by statute.

MATTHEW DOOLEY, Register.

PATRICK H. QUINN, Deputy Register.

AUGUSTUS W. MAUL, Assistant Deputy Register.

JOHN B. SHANAHAN, Counsel.

JOHN H. MCARDELE, Secretary.

COUNTY CLERK.

Hall of Records, Brooklyn, 9 A. M. to 4 P. M.

EDWARD KAUFMAN, County Clerk.

DENNIS WINGERS, Deputy County Clerk.

JOSEPH P. DONNELLEY, Assistant Deputy County Clerk.

COMMISSIONER OF JURORS.

5 Court-house.

JACOB BRENNER, Commissioner.

FRANK J. GARDNER, Deputy Commissioner.

ALBERT B. WALDON, Secretary.

Office hours from 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. to 12 M.

COMMISSIONER OF RECORDS.

Rooms 7, 9, 10 and 11, Hall of Records.

Office hours, 9 A. M. to 4 P. M., excepting months of July and August; then 9 A. M. to 2 P. M.; Saturdays, 9 A. M. to 12 M.

GEORGE E. WALDO, Commissioner.

JOSEPH H. GRENELLE, Deputy Commissioner.

JOHN H. NICHOLS, Secretary.

THOMAS D. MOSSCROFT, Superintendent.

RICHARD S. STEVES, Chief Clerk.

PUBLIC ADMINISTRATOR.

No. 189 Montague street, Brooklyn, 9 A. M. to 4 P. M., except Saturdays in June, July and August, 9 A. M. to 2 P. M.

WILLIAM B. DAVENPORT, Public Administrator.

QUEENS COUNTY OFFICES.

SURROGATE.

DANIEL NOBLE, Surrogate.

Office at Jamaica.

Except on Sundays, holidays and half holidays the office is open between March 31 and October 1 from 8 A. M. to 5 P. M.; on Saturdays from 8 A. M. to 12 M.; between September 30 and April 1, from 9 A. M. to 5 P. M.; on Saturdays from 9 A. M. to 12 M.

Surrogate's Court sits on Thursday and Friday of each week, except during the month of August, when no court is held. Calendar called at 10 A. M.

COUNTY COURT.

County Court-house, Long Island City.

County Court opens at 9:30 A. M.; adjourns at 5 P. M

Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business.

JOSEPH P. FALLON, Justice. WILLIAM J. KENNEY, Clerk.

Clerk's Office open from 9 A. M. to 4 P. M.

Tenth District—The Tenth District embraces that portion of the Twenty-second Ward south of Seventieth street. Court-room, No. 314 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—The Eleventh District embraces that portion of the Twelfth Ward which lies north of the centre line of West One Hundred and Tenth street, between Lenox avenue and Seventh avenue; north of the centre line of One Hundred and Twentieth street, between Seventh avenue and Broadway; north of the centre line of One Hundred and Nineteenth street, between Broadway and the North or Hudson river, 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. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. Court convenes daily at 9:45 A. M.

FRANCIS J. WORCESTER, Justice. HERMAN B. WILSON, Clerk.

Twelfth District—The Twelfth District embraces that portion of the Twenty-second Ward north of Seventieth street, and that portion of the Twelfth Ward which lies north of the centre line of Eighty-sixth street and west of the centre line of Seventh avenue and south of the centre line of One Hundred and Twentieth street, between Seventh avenue and Broadway, and south of the centre line of One Hundred and Nineteenth street, between Broadway and the North or Hudson river. Court-room, No. 2630 Broadway.

ALFRED P. W. SEAMON, Justice. JAMES V. GILLOON, Clerk.

Thirteenth District—South side of Delancey street, from East river to Pitt street; east side of Pitt street, Grand street, south side of Grand street to Norfolk street, east side of Norfolk street to Division street, south side of Division street to Catharine street, east side of Catharine street to East river. Clerk's Office open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.

LEON SONDERS, Justice; JAMES J. DEVLIN, Clerk.

Court-room, No. 200 East Broadway.

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 1034 of the Laws of 1895, comprising all of the late Town of Westchester, and part of the Towns of Eastchester and Pelham, including the Villages of Wakefield and Williamsbridge. Court-room, Town Hall, 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. THOMAS F. DELEHANTY, Clerk.

Office hours from 9 A. M. to 5 P. M.; Saturdays, closing at 12 M.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 1034 of the Laws of 1895. Court-room, corner 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. THOMAS A. MAHER, 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.

Calendar called at 10 A. M.

Second District—Seventh, Ninth, Eleventh, Twentieth, Twenty-first and Twenty-third Wards. Court-room located at No. 1217 Bedford avenue, Brooklyn. Calendar called at 10 o'clock A. M.

GERARD 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. 6 and 8 Lee avenue, Brooklyn.

WILLIAM J. LYNCH, Justice. JOHN W. CARPENTER, Clerk.

Clerk's Office open from 9 A. M. to 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 GOHNGHORST, Clerk; JAMES P. SINNOTT, Assistant Clerk.

Clerk's Office open from 9 A. M. to 4 P. M.

Fifth District—Eighth, Twenty-second, Twenty-ninth, Thirtieth, Thirty-first and Thirty-second Wards. Court-house, Bay Twenty-second street and Bath avenue, Bath Beach. Telephone, 83 Bath.

CORNELIUS FURGUESON, 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 composing five wards). Court-room, No. 46 Jackson avenue, Long Island City.

Clerk's Office open from 9 A. M. to 4 P. M. each day, excepting Saturdays, closing at 12 M. Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

THOMAS C. KADEN, Justice. THOMAS F. KENNEY, Clerk.

Second District—Second and Third Wards, which includes the territory of the late Towns of Newtown and Flushing. Court-room, in Court-house of the late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. Address, Elmhurst, 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 F. MC LAUGHLIN, 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 Village Hall, Lafayette avenue and Second street, New Brighton.

JOHN J. KENNY, Justice. FRANCIS F. LEMAN, Clerk.

Clerk's Office open from 9 A. M. to 4 P. M. Court held each day, except Saturdays, from 10 A. M.

Second District—Second, Fourth and Fifth Wards (Towns of Middletown, Southfield and Westfield). Court-room, former Edgewater Village Hall, Stapleton.

GEORGE W. STAKE, Justice. PETER TIERNAN, Clerk.

Clerk's Office open from 9 A. M. to 4 P. M. Court held each day from 10 A. M., and continues until close of business.

MUNICIPAL CIVIL SERVICE COMMISSION.

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, CITY OF NEW YORK.

FEBRUARY 18, 1904.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations will be held for the following positions:

ARCHITECTURAL DRAUGHTSMAN, THURSDAY, MARCH 10, 1904, AT 10 A. M.

The receipt of applications will close on Friday, March 4, at 4 P. M.

The subjects and weights of the examination are as follows:

Technical Knowledge.....	5
Experience.....	2
Mathematics.....	2
Handwriting and General Neatness.....	1

Candidates will be required to obtain 75 per cent. on the technical paper.

There are from 10 to 25 vacancies in the Building Bureau of the Board of Education.

Candidates will be required to furnish their own drawing materials and appurtenances.

The compensation attached to this position is from \$18 to \$35 per week.

The minimum age is 21.

The Board of Education needs Draughtsmen of different qualifications; these are mainly as follows:

Designers.....	
Structural Steel Draughtsmen.....	
General Draughtsmen.....	
—with knowledge of masonry, iron and wood construction, etc.	
Sanitary Draughtsmen, etc.	

The papers will be so drawn as to enable candidates to choose which one of the above they prefer. At the same time an examination will be held for Draughtsmen of a lower grade (Assistant Draughtsmen). The examination for this position will be more elementary and more general.

The compensation attached to the latter position is from \$18 to \$45 per week.

The minimum age is 18.

The subjects and weights of the examination are as follows:

Duties.....	5
Experience.....	3
Handwriting.....	2
Arithmetic.....	2

Required percentage is 70. It is impossible to foretell the number of vacancies, but 6 appointments were made during 1903.

A physical examination is required as a preliminary to the mental.

The compensation attached to this position is \$1,000.

Applicants must be not less than 30 nor more than 50 years of age.

HENRY BERLINGER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations will be held for the following positions:

FEBRUARY 6, 1904.

CLERK (MEN ONLY) First to Fourth Grades. Salary \$750 to \$1,200.

Time and place of examination to be announced hereafter.

The subjects and weights of the examination are as follows:

Spelling.....	15
Dictation.....	15
Handwriting.....	30
Arithmetic.....	20
Letter-writing.....	20

Required percentage is 80. The number of vacancies can not be foretold, but about 50 appointments were made in the year 1903.

The receipt of applications will close on February 23, at 4 P. M.

The minimum age is 21.

FEBRUARY 6, 1904.

JUNIOR ASSISTANT LIBRARIAN—QUEENS BOROUGH.

Thursday, March 3, 1904, 10 A. M., at 61 Elm street.

The receipt of applications for this examination will close on Tuesday, February 23, at 4 P. M.

The subjects and weights of the examination are as follows:

Special examination covering library work... 6
Experience..... 6
Arithmetic..... 3
Letter-writing..... 1

Required percentage is 70.

There are approximately four vacancies to be filled.

The minimum age is 18.

FEBRUARY 6, 1904.

STENOGRAPHER AND TYPEWRITER (WOMEN ONLY). First to Fourth Grades. Salary, \$750 to \$1,200 per annum, Tuesday, March 1, 1904, at 10 A. M., and later dates, if necessary, at No. 61 Elm street.

The receipt of applications will close on Tuesday, February 23, at 4 P. M.

The subjects and weights of the examination are as follows:

Accuracy..... 4
Speed..... 2
Spelling..... 1
Handwriting..... 1
Letter-writing..... 1
Arithmetic..... 1

Required percentage is 70. It is impossible to foretell the number of vacancies likely to occur, but between 40 and 50 appointments were made during the year 1903. The minimum age is 18.

FEBRUARY 6, 1904.

TYPEWRITING COPYIST (MEN AND WOMEN). First to Third Grades. Salary, \$750 to \$1,200. Wednesday, March 6, 1904, at 10 A. M. (and later dates, if necessary, at 6 Elm street).

The receipt of applications will close on Tuesday, February 23, at 4 P. M. The subjects and weights of the examination are as follows:

Accuracy..... 4
Speed..... 3
Spelling..... 1
Handwriting..... 1
Arithmetic..... 1
Letter..... 1

Required percentage is 70.

The minimum age is 18.

HENRY BERLINGER, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, No. 61 ELM STREET, CITY OF NEW YORK.

PUBLIC NOTICE WILL BE GIVEN OF ALL competitive examinations two weeks in advance of the date upon which the receipt of applications for any scheduled examination will be. Applications will be received for only such examinations as are scheduled.

When an examination is advertised, a person desiring to compete in the same may obtain an application blank upon request made in writing, or by personal application at the office of the Commission.

All notices of examinations will be posted in the office of the Commission, City Hall, Municipal Building, Brooklyn, and advertised in the "City Record" for two weeks in advance of the date

upon which the receipt of applications will close for any stated position.

Public notice will also be given by advertisement in most of the City papers.

Wherever an examination is of a technical character, due notice is given by advertisement in the technical journals appertaining to the particular profession for which the examination is called.

Such notices will be sent to the daily papers as matters of news, and to the General Postoffice and stations thereof. The scope of the examination will be stated, but for more general information application should be made at the office of the Commission.

Unless otherwise specifically stated the minimum age requirement for all positions is 21.

HENRY BERLINGER, Secretary.

12-24-03

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY

thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessments became liens, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Borough of Brooklyn, between the hours of 9 A. M. and 2 P. M., and on Saturdays from 9 A. M. until 12 M., and all payments made thereon on or before April 18, 1904, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when the above assessments became liens to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, February 17, 1904.

fr8,m3

NOTICE OF ASSESSMENTS FOR OPENING
STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE
Greater New York Charter, the Comptroller of
The City of New York hereby gives public notice of
the confirmation by the Supreme Court, and the entering
in the Bureau for the Collection of Assessments and
Arrears, of the assessment for OPENING AND
ACQUIRING TITLE to the following-named street in
the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 11.

VYSE STREET—OPENING, from Boston road to the Bronx Park. Confirmed December 18, 1903; entered February 17, 1904. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz: Beginning at a point formed by the intersection of the northerly side of East One Hundred and Seventy-fourth street with a line drawn parallel to the northwesterly side of Vyse street and distant 100 feet northwesterly therefrom; running thence northeasterly along said parallel line and its prolongation northeasterly to its intersection with the southwesterly prolongation of the middle line of the block between Boston road and Vyse street on the southeast and Daly avenue on the northwest; thence northeasterly along said southwesterly prolongation and middle line of the block to its intersection with the middle line of the block between East One Hundred and Seventy-ninth street and East One Hundred and Eightieth street; thence northwesterly along said middle line of the block to the southeasterly side of Daly avenue; thence northeasterly along said southwesterly side of Daly avenue and its prolongation northeasterly to its intersection with a line drawn parallel to the northeasterly side of East One Hundred and Eighty-second street and distant 100 feet northeasterly therefrom; thence southeasterly along said parallel line to its intersection with the northeasterly prolongation of the northwesterly side of Bryant street; thence southwesterly along said northeasterly prolongation and northwesterly side of Bryant street to the middle line of the block between East One Hundred and Seventy-ninth street and East One Hundred and Eightieth street; thence northwesterly along said middle line of the block to its intersection with the middle line of the block between Vyse street and Bryant street; thence southwesterly along said middle line of the block to the northerly side of Boston road; thence southerly to the intersection of the southerly side of Boston road with the northwesterly side of Bryant street; thence southwesterly along said northwesterly side of Bryant street to the northerly side of East One Hundred and Seventy-fourth street; thence westerly along said northerly side of East One Hundred and Seventy-fourth street to the point or place of beginning.

The above-entitled assessment was entered on the date hereinbefore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry of the assessments, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien as provided by section 159 of this act."

Section 159 of this act provides * * * "an assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of The Bronx, between the hours of 9 A. M. and 2 P. M., and on Saturdays from 9 A. M. to 12 M., and all payments made thereon on or before April 18, 1904, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, February 17, 1904.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 1008 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 BROOKLYN:

TWENTY-FIFTH WARD, SECTION 6.
CHAUNCEY STREET—LAYING CEMENT
SIDEWALKS, south side, between Howard and
Saratoga avenues. Area of assessment: South
side of Chauncey street, between Howard and
Saratoga avenues, on Block 1514, Lots Nos. 1, 11
and 12.

HALSEY STREET—LAYING CEMENT
SIDEWALK, north side, between Saratoga avenue and Broadway. Area of assessment: North side of Halsey street, between Saratoga avenue and Broadway, on Block 1492, Lots Nos. 28 and 31.

HALSEY STREET—LAYING CEMENT
SIDEWALK, south side, between Saratoga avenue and Broadway. Area of assessment: South

side of Halsey street, between Saratoga avenue and Broadway, on Block 1495, Lots Nos. 12 and 26.

HOWARD AVENUE—LAYING CEMENT
SIDEWALKS, east side, between Chauncey and Bainbridge streets. Area of assessment: East side of Howard avenue, between Chauncey and Bainbridge streets, on Block 1509, Lots Nos. 1 and 6.

HOWARD AVENUE—LAYING CEMENT
SIDEWALKS, west side, between Chauncey and Bainbridge streets. Area of assessment: West side of Howard avenue, between Chauncey and Bainbridge streets, on Block 1508, Lot No. 49.

HOWARD AVENUE—LAYING CEMENT
SIDEWALK, east side, between Fulton and McDougall streets. Area of assessment: East side of Howard avenue, from Fulton to McDougall street, on Block 1531, Lots Nos. 1 and 71.

HOWARD AVENUE—LAYING CEMENT
SIDEWALKS, east side, between Madison and Monroe streets. Area of assessment: East side of Howard avenue, between Madison street and Broadway, on Block 1482, Lot No. 1.

HOWARD AVENUE—LAYING CEMENT
SIDEWALK, east side, between Sumpter and Marion streets. Area of assessment: East side of Howard avenue, between Sumpter and Marion streets, on Block 1519, Lot No. 7.

SARATOGA AVENUE—LAYING CEMENT
SIDEWALKS, west side, between Fulton and Hull streets; FULTON STREET—LAYING CEMENT
SIDEWALKS, north side, between Saratoga avenue and Hull street. Area of assessment: West side of Saratoga avenue, between Fulton and Hull streets, on Block 1536, Lot No. 1.

SARATOGA AVENUE—LAYING CEMENT
SIDEWALKS, west side, between Halsey and Hancock streets. Area of assessment: West side of Saratoga avenue, between Halsey and Hancock streets, on Block 1491, Lot No. 35.

—that the same were confirmed by the Board of Assessors on February 9, 1904, and entered on February 10, 1904, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry of the assessments, interest will be collected thereon, as provided in section 1019 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 on the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act.'

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessments are payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Borough of Brooklyn, between the hours of 9 A. M. and 2 P. M., and on Saturdays, from 9 A. M. until 12 M., and all payments made thereon on or before April 11, 1904, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became liens to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, February 10, 1904.

fr11,26

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 1008 OF THE
Greater New York Charter, the Comptroller of
The City of New York hereby gives public notice to all
persons, owners of property, affected by the following
assessment for LOCAL IMPROVEMENTS in the
BOROUGH OF MANHATTAN:

TWELFTH WARD, SECTION 6.
ONE HUNDRED AND SECOND STREET—
SEWER, alteration and improvement, at Harlem river, with new curves in Marginal street. Area of assessment: Both sides of One Hundred and First, One Hundred and Second, One Hundred and Third and One Hundred and Fourth streets, from First avenue to Marginal street; west side of Marginal street, from One Hundred and First to One Hundred and Fourth street.

TWELFTH WARD, SECTION 8.
ONE HUNDRED AND EIGHTY-FIRST
STREET—SEWER, between Boulevard Lafayette and Fort Washington avenue; FORT WASHINGTON AVENUE—SEWER, between One Hundred and Eighty-first street and Summit North. Area of assessment: Both sides of One Hundred and Eighty-first street, from Boulevard Lafayette to Fort Washington avenue; both sides of Fort Washington avenue, extending about 700 feet north of One Hundred and Eighty-first street; both sides of Northern avenue, extending about 766 feet north of One Hundred and Eighty-first street; east side of Boulevard Lafayette, extending about 468 feet north of One Hundred and Eighty-first street.

—that the same were confirmed by the Board of Assessors on February 9, 1904, and entered on February 10, 1904, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of entry of the assessments, interest will be collected thereon, as provided in section 1019 of this act.

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, Room No. 85, No. 280 Broadway, Borough of Manhattan, between the hours of 9 A. M. and 2 P. M., and on Saturdays from 9 A. M. to 12 M., and all payments made thereon on or before April 11, 1904, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, February 10, 1904.

fr11,26

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 1008 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 BROOKLYN:

TWENTY-FIFTH WARD, SECTION 6.
CHAUNCEY STREET—LAYING CEMENT
SIDEWALKS, south side, between Howard and
Saratoga avenues. Area of assessment: South
side of Chauncey street, between Howard and
Saratoga avenues, on Block 1514, Lots Nos. 1, 11
and 12.

HALSEY STREET—LAYING CEMENT
SIDEWALK, north side, between Saratoga avenue and Broadway. Area of assessment: North side of Halsey street, between Saratoga avenue and Broadway, on Block 1492, Lots Nos. 28 and 31.

HALSEY STREET—LAYING CEMENT
SIDEWALK, south side, between Saratoga avenue and Broadway. Area of assessment: South

DEPARTMENT OF FINANCE, CITY OF NEW YORK,
March 26, 1903.

UNTIL FURTHER NOTICE AND UNLESS
otherwise directed in any special case, one
surety company will be accepted as sufficient
upon all contracts for supplies for furniture, and
for gas and electric lighting to any amount, and
upon the following contracts to the amounts
named:

For supplies and furniture, with patented
articles \$5,000

Regulating, grading, paving (other than
asphalt) —

Not over 2 years 15,000

Over 2 years 5,000

School building repairs 10,000

Heating and lighting apparatus 5,000

New buildings—New docks 25,000

Sewers—Dredging and water mains—

Not over 2 years 10,000

Over 2 years 5,000

EDWARD M. GROUT, Comptroller.

fr11,26

FIRE DEPARTMENT.

FIRE DEPARTMENT, CITY OF NEW YORK, BOROUGH OF
MANHATTAN AND THE BRONX, February 18, 1904.

SALE OF HORSES—A. SEBASTIAN, AUGUSTINE,
tioneer, on behalf of the Fire Department of
The City of New York, will offer for sale at
public auction to the highest bidder for cash, at
the Hospital and Training Stables, Nos. 133 and
135 West Ninetieth street, Borough of Manhattan,
on Monday, February 29, 1904, at 12 o'clock A. M.,
the following six horses, no longer fit for service
in the Department, and known as Nos. 755, 979,
1171, 1234, 1336 and 1348.

NICHOLAS J. HAYES,
Fire Commissioner.
fr19,29

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE
CITY OF NEW YORK, Nos. 157 and 159 EAST SIXTY-
SEVENTH STREET, BOROUGH OF MANHATTAN, THE
CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED
by the Fire Commissioner at the above office until
11 o'clock A. M., on

WEDNESDAY, MARCH 2, 1904.

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING AND DELIVERING
9,000 JACKS KINDLING WOOD.

The time for the delivery of the articles, materials
and supplies and the performance of the contract is
by or before February 1, 1905.

The amount of security required is Fourteen
Hundred Dollars (\$1,400).

The above assessments are payable to the Collector
of Assessments and Arrears, at the Bureau for the
Collection of Assessments, and Arrears of Taxes and
Assessments and of Water Rents, in the Municipal
Building, Borough of Brooklyn, between the hours of
9 A. M. and 2 P. M., and on Saturdays, from 9 A. M.
until 12 M., and all payments made thereon on or before
April 11, 1904, will be exempt from interest as above
provided, and after that date will be subject to a
charge of interest at the rate of seven per centum per
annum from the date when above assessments became
liens to the date of payment.

Said section provides that, 'If any such assessment
shall remain unpaid for the period of sixty days after
the date of entry thereof on the said Record of Titles
of Assessments, it shall be the duty of the officer
authorized to collect and receive the amount of such
assessment to charge, collect and receive interest thereon
at the rate of seven per centum per annum, to be calculated
to the date of payment from the date when such assessment
became a lien as provided by section 159 of this act.'

Section 159 of this act provides * * * "An assessment
shall become a lien upon the real estate affected
thereby ten days after its entry in the said record."

The above assessments are payable to the Collector
of Assessments and Arrears, at the Bureau for the
Collection of Assessments, and Arrears of Taxes and
Assessments and of Water Rents, in the Municipal
Building, Borough of Brooklyn, between the hours of
9 A. M. and 2 P. M., and on Saturdays, from 9 A. M.
until 12 M., and all payments made thereon on or before
April 11, 1904, will be exempt from interest as above
provided, and after that date will be subject to a
charge of interest at the rate of seven per centum per
annum from the date when above assessments became
liens to the date of payment.

EDWARD M. GROUT,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, February 10, 1904.

fr11,26

See General Instructions to Bidders
on the last page, last column, of the "City Record."

HEADQUARTERS OF THE FIRE DEPARTMENT OF THE
CITY OF NEW YORK, Nos.

The amount of security required is Five Hundred Dollars.

No. 7. FOR GRADING LOTS ON THE NORTHWEST CORNER OF FOURTH AVENUE AND FORTIETH STREET, known as Lot No. 44, Block 708, Eighth Ward Map.

The Engineer's estimate of the quantities is as follows:

644 cubic yards of earth excavation.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is Two Hundred Dollars.

No. 8. FOR GRADING LOTS ON THE NORTHEAST CORNER OF FIFTY-SEVENTH STREET AND FOURTH AVENUE, known as Lot No. 1, Block 839, Eighth Ward Map.

The Engineer's estimate of the quantities is as follows:

6 cubic yards of earth excavation.

463 cubic yards of filling, to be furnished.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is One Hundred Dollars.

No. 9. FOR FURNISHING AND DELIVERING 6,000 CUBIC YARDS OF CLEAN, SHARP SAND AT THE VARIOUS CORPORATION YARDS, BOROUGH OF BROOKLYN.

Time for the delivery of the sand and the performance of the contract, one or before December 31, 1904.

The amount of security required is Two Thousand Dollars.

No. 10. FOR REMOVING EARTH ABOVE GRADE FROM PORTIONS OF PROSPECT AVENUE, SOUTH OF ELEVENTH AVENUE.

The Engineer's estimate of the quantities is as follows:

3,580 cubic yards of earth excavation.

Time for the completion of the work and the full performance of the contract is forty (40) working days.

The amount of security required is Six Hundred Dollars.

No. 11. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON CHURCH AVENUE, from Flatbush avenue to Brooklyn avenue.

The Engineer's estimate of the quantities is as follows:

7,980 linear feet of new curbstone.

1,980 cubic yards of earth excavation.

3,910 cubic yards of earth filling, to be furnished.

500 square feet of old flagstone, to be relaid.

37,680 square feet of cement sidewalks.

Time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is Six Thousand Dollars.

No. 12. FOR REGULATING, GRADING, CURBING, GUTTERING AND LAYING SIDEWALKS ON MAPLE STREET, from Rogers avenue to Nostrand avenue.

The Engineer's estimate of the quantities is as follows:

510 square yards of brick gutters, including concrete base.

1,492 linear feet of new curbstone.

389 cubic yards of earth excavation.

387 cubic yards of earth filling, to be furnished.

150 square feet of old flagstone, to be relaid.

7,010 square feet of cement sidewalk.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is One Thousand Five Hundred Dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per cubic yard, square foot, linear foot, or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Assistant Commissioner of Public Works, the Borough of Brooklyn, Room 15, Municipal Building, Borough of Brooklyn.

MARTIN W. LITTLETON,

President.

DATED FEBRUARY 4, 1904.

f. 9, 24

See General Instructions to bidders on the last page, last column, of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM NO. 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the President of the Borough of Brooklyn, at the above office until 11 o'clock A. M., on

WEDNESDAY, FEBRUARY 24, 1904.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN BATH AVENUE, from Bay Sixth street (Fourteenth avenue) to Bay Twenty-seventh street (Twenty-first avenue), and outlet, etc., etc.

The Engineer's estimate of the quantities is as follows:

1,715 linear feet 90-inch brick sewer.

2,055 linear feet 84-inch brick sewer.

1,725 linear feet 88-inch brick sewer.

180 linear feet 88-inch vitrified stoneware pipe, sewer laid in concrete.

220 linear feet 15-inch vitrified stoneware pipe, sewer laid in concrete.

220 linear feet 12-inch vitrified stoneware pipe, sewer laid in concrete.

4 manholes.

5 receiving-basins.

5 receiving-basins, reconnected.

600,000 feet, board measure, foundation planking and pile capping.

1,375,000 feet, board measure, sheeting and bracing.

100 linear feet piles.

5 cubic yards brick masonry, other than shown in sewer section.

5 cubic yards concrete, other than shown in sewer section.

6,390 linear feet 12-inch vitrified stoneware pipe, sub-drain.

The time allowed for the completion of the work and full performance of the contract is 300 working days.

The amount of security required is One Hundred and Twelve Thousand Dollars.

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWER IN FRANKLIN AVENUE, from Montgomery street to Union street, and outlet sewer in Montgomery street, etc.

The Engineer's estimate of the quantities is as follows:

1,088 linear feet 36-inch brick sewer.

332 linear feet 30-inch brick sewer.

332 linear feet 24-inch vitrified stoneware pipe, sewer laid in concrete.

315 linear feet 12-inch vitrified stoneware pipe, sewer laid in concrete.

15 manholes.

12 receiving-basins.

13,000 feet, board measure, foundation planking.

125,000 feet, board measure, sheeting and bracing.

5 cubic yards concrete.

5 cubic yards brick masonry.

The time allowed for the completion of the work and full performance of the contract is 90 working days.

The amount of security required is Six Thousand Dollars.

No. 3. FOR FURNISHING AND DELIVERING 1,700 GROSS TONS (2,240 LBS. TO A TON) OF THE BEST GRADES OF WHITE ASH ANTHRACITE COAL, PEAS SIZE, TO THE SEVERAL SEWAGE DISPOSAL WORKS, IN THE TWENTY-SIXTH AND THIRTY-FIRST WARDS, BOROUGH OF BROOKLYN.

The time for the delivery of the supplies and full performance of the contract is on or before December 31, 1904.

The amount of security required is Four Thousand Dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot, B. M., ton, cubic yard or other unit of measure, by which the bids will be tested.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Assistant Commissioner of Public Works, Room 15, Municipal Building, Borough of Brooklyn.

MARTIN W. LITTLETON,

President.

Dated JANUARY 26, 1904.

f. 16, 24

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOROUGH OF RICHMOND.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, FIRST NATIONAL BANK BUILDING, ST. GEORGE, NEW BRIGHTON, NEW YORK CITY.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the President of the Borough of Richmond, at the above office until 3 o'clock P. M., on

FRIDAY, FEBRUARY 26, 1904.

Borough of Richmond.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING A TEMPORARY STORM WATER SEWER IN GORDON AND HUDSON STREETS, IN THE SECOND WARD.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required is as follows:

329 linear feet fifteen-inch vitrified stoneware pipe.

270 linear feet twelve-inch vitrified stoneware pipe.

1 receiving-basin.

2 manholes.

2 cubic yards cement rubble masonry.

48 linear feet cast-iron pipe, 16 inches in diameter.

The time for the completion of the work and the full performance of the contract is 15 days.

The amount of security required is Five Hundred Dollars (\$500).

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REGULATING, GRADING AND PAVING WITH MACADAM PAVEMENT FIRST STREET, from York avenue to Franklin avenue.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required is as follows:

450 cubic yards excavation.

1,375 square yards macadam pavement.

125 square yards new granite block pavement.

550 square yards new belgian block pavement.

20 square yards old stone block relaid.

260 square feet new bridgestone.

1,730 linear feet new curbstone.

30 linear feet old curbstone reset.

7,000 square feet new flagstone laid.

300 square feet old flagstone relaid.

The time for the completion of the work and the full performance of the contract is 45 days.

The amount of security required is Two Thousand Five Hundred Dollars (\$2,500).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR REGULATING, GRADING AND PAVING WITH MACADAM PAVEMENT HATFIELD AVENUE, from Richmond avenue to Nicholas avenue, and LAFAYETTE AVENUE, SHARP AVENUE AND ELM STREET, from Harrison avenue to Hatfield avenue.

The Engineer's estimate of the quantity and quality of the material, and the nature and extent, as near as possible, of the work required is as follows:

600 cubic yards excavation.

6,650 square yards macadam pavement.

200 square yards new belgian block pavement.

60 square yards old stone blocks relaid.

50 square yards old cobble gutters relaid.

2,050 square feet new bridgestone laid.

260 square feet old bridgestone relaid.

The time for the completion of the work and the full performance of the contract is 60 days.

The amount of security required is Three Thousand Five Hundred Dollars (\$3,500).

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

The bidder will state the price of each item or article contained in the specifications for schedules herein contained or hereto annexed, per linear foot, feet board measure, barrel or other unit of measure, by which the bids will be tested. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application thereto at the office of the Commissioner of Public Works. The plans and drawings may be seen and other information obtained at the office of the Commissioner of Public Works of the Borough of Richmond, Richmond Building, New Brighton, Borough of Richmond.

GEORGE CROMWELL,

President.

THE CITY OF NEW YORK, February 8, 1904.

f. 13, 26

See General Instructions to bidders on the last page, last column, of the "City Record."

BOARD OF ASSESSORS.

PUBLIC NOTICE IS HEREBY GIVEN TO THE owner or owners of all houses and lots, improved or unimproved lands affected thereby, that the following proposed assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

BOROUGH OF BROOKLYN.

List 7580, No. 1. Regulating, grading, curbing, recuring, flagging and reflagging and Euclid

BOARD OF ESTIMATE AND APPORTIONMENT.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to close and discontinue so much of the public park in the block bounded by Water, Broad and Pearl streets and Coenties slip as is not occupied by the building known as Fraunces Tavern, in the Borough of Manhattan, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by the Board on the 29th day of January, 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by closing and discontinuing so much of the public park in the block bounded by Water, Broad and Pearl Streets and Coenties slip as is not occupied by the building known as Fraunces Tavern, in the Borough of Manhattan, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by the Board on the 29th day of January, 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by closing and discontinuing so much of the public park in the block bounded by Water, Broad and Pearl Streets and Coenties slip as is not occupied by the building known as Fraunces Tavern, in the Borough of Manhattan, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by the Board on the 29th day of January, 1904, notice of the adoption of which is hereby given, viz.:

Beginning at a point on the northerly side of Water street 102.28 feet westerly from the intersection of the northerly line of Water street with the westerly line of Coenties slip; running

Thence westerly along the northerly side of Water street for a distance of 131.75 feet to the intersection of the northerly line of Water street with the easterly line of Broad street; running

Thence northerly along the easterly side of Broad street 71.64 feet, more or less, to the southerly side of the lot occupied by Fraunces' Tavern; running

Thence easterly along the southerly line of the said Fraunces' Tavern 37.25 feet, more or less; running

Thence northerly along the said Fraunces' Tavern 3.7 feet, more or less; running

Thence easterly along the southerly side of the said Fraunces' Tavern 26.08 feet, more or less, to the southeasterly corner of the said Fraunces' Tavern; running

Thence northerly along the easterly side of the said Fraunces' Tavern 37.42 feet, more or less, to the southerly side of Pearl street; running

Thence easterly along the southerly side of Pearl street 55.5 feet, more or less, to a point on the southerly side of Pearl street distant 102.94 feet westerly from the intersection of the southerly side of Pearl street with the westerly side of Coenties slip; running

Thence southerly a distance of 108.05 feet to the point or place of beginning.

Resolved, That the President of the Borough of Manhattan cause to be prepared for submission to this Board three similar maps or plans for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change and the location of the immediate adjacent or of intersecting open or established streets, roads, squares, or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change at a meeting of this Board to be held in the Old Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the 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 26th day of February, 1904.

JOHN H. MOONEY,
Assistant Secretary.
fr1,25

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grade of streets in the territory bounded by Thatford avenue, Newport street, Amboy street and Blake avenue, in the Borough of Brooklyn, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by the Board on January 22, 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the grade of streets in the territory bounded by Thatford avenue, Newport street, Amboy street and Blake avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

Rockaway Avenue.

Beginning at the intersection of Blake avenue and Rockaway avenue, the elevation to be 31.46 feet as heretofore;

Thence southerly to the intersection of Dumont avenue, the elevation to be 25.88 feet;

Thence southerly to a summit, distant 225 feet from the northerly line of Livonia avenue, the elevation to be 27.35 feet;

Thence southerly to the intersection of Livonia avenue, the elevation to be 26.13 feet;

Thence southerly to the intersection of Riverdale avenue, the elevation to be 23.85 feet;

Thence southerly to a summit, distant 208 feet from the southerly line of Riverdale avenue, the elevation to be 24.98 feet;

Thence southerly to the intersection of Newport street, the elevation to be 23.43 feet as heretofore.

Chester Street.

Beginning at the intersection of Dumont avenue and Chester street, the elevation to be 28.73 feet as heretofore;

Thence southerly to a summit, distant 143 feet from the northerly line of Livonia avenue, the elevation to be 30.60 feet;

Thence southerly to the intersection of Livonia avenue, the elevation to be 29.80 feet;

Thence southerly to the intersection of Riverdale avenue, the elevation to be 27.55 feet;

Thence southerly to the intersection of Newport street, the elevation to be 23.64 feet as heretofore.

Bristol Street.

Beginning at the intersection of Blake avenue and Bristol street, the elevation to be 35.25 feet as heretofore;

Thence southerly to the intersection of Dumont avenue, the elevation to be 30.00 feet;

Thence southerly to a summit, distant 138 feet from the northerly line of Livonia avenue, the elevation to be 31.90 feet;

Thence southerly to the intersection of Livonia avenue, the elevation to be 31.12 feet;

Thence southerly to the intersection of Riverdale avenue, the elevation to be 28.87 feet;

Thence southerly to the intersection of Newport street, the elevation to be 23.85 feet as heretofore.

Hopkinson Avenue.

Beginning at the intersection of Dumont avenue and Hopkinson avenue, the elevation to be 28.20 feet as heretofore;

Thence southerly to a summit, distant 200 feet from the southerly line of Dumont avenue, the elevation to be 29.29 feet;

Thence southerly to the intersection of Livonia avenue, the elevation to be 27.70 feet as heretofore;

Thence southerly to a summit, distant 230 feet from the northerly line of Riverdale avenue, the elevation to be 29.14 feet;

Thence southerly to the intersection of Riverdale avenue, the elevation to be 27.90 feet;

Thence southerly to the intersection of Newport street, the elevation to be 24.06 feet as heretofore.

Dumont Avenue.

Beginning at the intersection of Hopkinson avenue and Livonia avenue, the elevation to be 27.70 feet as heretofore;

Thence easterly to the intersection of Bristol street, the elevation to be 30 feet;

Thence easterly to the intersection of Chester street, the elevation to be 28.73 feet as heretofore;

Thence easterly to the intersection of Rockaway avenue, the elevation to be 25.88 feet;

Thence easterly to the intersection of Thatford avenue, the elevation to be 25.66 feet as heretofore;

Livonia Avenue.

Beginning at the intersection of Hopkinson avenue and Livonia avenue, the elevation to be 27.70 feet as heretofore;

Thence easterly to the intersection of Bristol street, the elevation to be 31.12 feet;

Thence easterly to the intersection of Chester street, the elevation to be 29.80 feet;

Thence easterly to the intersection of Rockaway avenue, the elevation to be 26.13 feet;

Thence easterly to the intersection of Thatford avenue, the elevation to be 25.66 feet as heretofore;

Riverdale Avenue.

Beginning at the intersection of Amboy street and Riverdale avenue, the elevation to be 26.93 feet as heretofore;

Thence easterly to the intersection of Hopkinson avenue, the elevation to be 27.90 feet as heretofore;

Thence easterly to the intersection of Bristol street, the elevation to be 28.87 feet;

Thence easterly to the intersection of Chester street, the elevation to be 27.55 feet;

Thence easterly to the intersection of Rockaway avenue, the elevation to be 23.85 feet;

Thence easterly to the intersection of Thatford avenue, the elevation to be 20.82 feet as heretofore.

NOTE—All elevations refer to mean high-water datum as established by the Bureau of Highways, Borough of Brooklyn.

Resolved, That the President of the Borough of Brooklyn cause to be prepared for submission to this Board three similar maps or plans for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change and the location of the immediate adjacent or of intersecting open or established streets, roads, squares, or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change at a meeting of this Board, to be held in the Old Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD and the corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 26th day of February, 1904.

JOHN H. MOONEY,
Assistant Secretary.
fr1,25

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grade of certain streets in the territory bounded by Third avenue, Gowanus canal, Fifteenth street and Hamilton avenue, in the Borough of Brooklyn, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions, adopted by the Board on January 22, 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the grade of certain streets in the territory bounded by Third avenue, Gowanus canal, Fifteenth street and Hamilton avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

Second Avenue.

Beginning at the intersection of Second avenue and Gowanus canal the grade to be 5.00 feet; thence to the intersection of Second avenue and Sixth street the grade to be 7.00 feet; thence to a point distant 100 feet northerly from the north building line of Seventh street the grade to be 6.30 feet; thence to the intersection of Second avenue and Seventh street the grade to be 8.00 feet; thence to a point distant 80 feet northerly from the north building line of Eighth street the grade to be 9.00 feet; thence to the intersection of Second avenue and Eighth street the grade to be 8.50 feet; thence to the intersection of Second avenue and Ninth street the grade to be 7.45 feet; thence to the intersection of Second avenue and Tenth street the grade to be 10.60 feet; thence to the intersection of Second avenue and Eleventh street the grade to be 11.30 feet; thence to the intersection of Second avenue and Twelfth street the grade to be 10.40 feet; thence to the intersection of Second avenue and Thirteenth street the grade to be 12.30 feet; thence to the intersection of Second avenue and Fourteenth street the grade to be 13.75 feet; thence to the intersection of Second avenue and Fifteenth street the grade to be 11.90 feet; thence to the intersection of Second avenue and Hamilton avenue the grade to be 8.50 feet; thence to the intersection of Fourteenth street and Hamilton avenue the grade to be 10.80 feet as heretofore.

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines of Jay street, between Hamilton avenue and Stuyvesant place, First Ward, Borough of Richmond, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolution, adopted by the Board on the 29th day of January, 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines of Jay street, between Hamilton avenue and Stuyvesant place, First Ward, in the Borough of Richmond, City of New York, more particularly described as follows:

Additional Property Included in the Layout of Jay Street.

Beginning at a point on the westerly line of Jay street, 111.21 feet northerly from the intersection of the above line with the northerly line of Hamilton avenue.

1. Thence northerly along the first-mentioned line for 64.08 feet.

2. Thence northwesterly deflecting 32 degrees 27 minutes 14 seconds to the left for 64.08 feet.

3. Thence southeasterly curving right, on the arc of a circle of 220.17 feet radius, and tangent to both above-mentioned courses for 124.71 feet to the point of beginning.

Property to Be Abandoned in the Layout of Jay Street.

Beginning at a point on the easterly line of Jay street, 111.21 feet northerly from the intersection of the above line with the easterly prolongation of the northerly line of Hamilton avenue.

1. Thence northerly along the first-mentioned line for 93.18 feet.

2. Thence northwesterly deflecting 32 degrees 27 minutes 14 seconds to the left for 93.18 feet.

3. Thence southeasterly, curving to the right, on the arc of a circle of 320.17 feet radius, and tangent to both above-mentioned courses for 181.35 feet to the point of beginning.

Resolved, That the President of the Borough of Richmond cause to be prepared for submission to this Board three similar maps or plans for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change and the location of the immediate adjacent or of intersecting open or established streets, roads, squares, or places, sufficient for the identification and location thereof.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines of streets in the territory bounded by Coney Island avenue, Church avenue and Ocean parkway, in the Borough of Brooklyn, City of New York, and that a meeting of said Board will be held in Room 16, City Hall, Borough of Manhattan, City of New York, on the 2d day of February, 1904, at 10.30 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolution, adopted by the Board on the 29th day of January 1904, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines of streets in the territory bounded by Coney Island avenue, Church avenue and Ocean parkway, in the Borough of Brooklyn, City

squares, or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change at a meeting of this Board, to be held in the Old Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 26th day of February, 1904, at 10:30 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board, to be held at the aforesaid time and place, to be published in the CITY RECORD and the corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 26th day of February, 1904.

JOHN H. MOONEY,
Assistant Secretary.
f1,25

BOARD OF ARMORY COMMISSIONERS.

ARMORY BOARD, STEWART BUILDING, NO. 280 BROADWAY.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED AT THE OFFICE OF THE MAYOR, CHAIRMAN OF THE ARMORY BOARD, IN THE CITY OF NEW YORK, UNTIL 2 O'CLOCK P. M.,

FEBRUARY 25, 1904.

FOR FURNISHING AND DELIVERING 2,800 GROSS TONS OF WHITE ASH ANTHRACITE COAL AND 25 CORDS OF PINE AND HICKORY WOOD, AS HEREINAFTER SPECIFIED.

The time for the delivery of the coal and wood and the performance of the contract is by or before December 15, 1904.

The amount of security shall be One Thousand Five Hundred Dollars (\$1,500) for coal delivered in Manhattan and The Bronx.

The amount of security shall be One Thousand Five Hundred Dollars (\$1,500) for coal delivered in Brooklyn and Queens.

The amount of security shall be Four Hundred Dollars (\$400) for wood delivered in Manhattan and The Bronx.

The amount of security shall be Four Hundred Dollars (\$400) for wood delivered in Brooklyn and Queens.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per ton or cord or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Armory Board, No. 280 Broadway, Stewart Building, Manhattan.

THE ARMORY BOARD,
GEORGE B. McCLELLAN,
Mayor;
JAMES MCLEER,
Brigadier-General, Commanding Second Brigade;
GEORGE MOORE SMITH,
Brigadier-General, Commanding First Brigade;
FRANK A. O'DONNELL,
President of the Department of Taxes and Assessments;

CHARLES V. FORNES,
President of the Board of Aldermen.
THE CITY OF NEW YORK, February, 1904.

f10,25

See General Instructions to Bidders on the last page, last column, of the "City Record."

BOARD OF ELECTIONS.

BOARD OF ELECTIONS OF THE CITY OF NEW YORK, NO. 107 WEST FORTY-FIRST STREET, BOROUGH OF MANHATTAN.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED BY THE BOARD OF ELECTIONS AT THE ABOVE OFFICE UNTIL 12 O'CLOCK M. ON

WEDNESDAY, FEBRUARY 24, 1904.

FOR FURNISHING AND DELIVERING STATIONERY, PRINTING AND SUPPLIES FOR PRIMARY ELECTION PURPOSES.

The time for the delivery of the articles, materials and supplies, and the performance of the contract, is on or before March 22, 1904.

The amount of security required is Five Thousand Dollars (\$5,000).

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Board of Elections, Borough of Manhattan, No. 107 West Forty-first street.

JOHN R. VOORHEIS,
CHARLES B. PAGE,
JOHN MAGUIRE,
RUDOLPH C. FULLER,
Board of Elections.

A. C. ALLEN,
Chief Clerk.
Dated FEBRUARY 10, 1904.

f10,24

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES.

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED BY THE COMMISSIONER OF DOCKS AT THE ABOVE OFFICE UNTIL 2 O'CLOCK P. M., ON

FRIDAY, FEBRUARY 26, 1904.
Borough of Manhattan.

CONTRACT NO. 832.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR BUILDING A NEW PIER WITH APPURTENANCES AT THE FOOT OF EAST THIRTYEIGHTH STREET, EAST RIVER.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 75 calendar days.

The amount of security required is \$13,000.

The bids will be compared and the contract awarded at a lump or aggregate sum.

Work will be required to be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

MAURICE FEATHERSON,
Commissioner of Docks.

Dated FEBRUARY 11, 1904.

f13,26

See General Instructions to Bidders on the last page, last column, of the "City Record."

PUBLIC NOTICE OF UNCLAIMED TRUCKS, WAGONS, ETC.

PURSUANT TO THE PROVISIONS OF SECTION 853 OF THE GREATER NEW YORK CHARTER, PUBLIC NOTICE IS HEREBY GIVEN THAT THERE ARE NOW, AND HAVE BEEN FOR SIX MONTHS PRIOR TO THE 1ST DAY OF JANUARY, 1904, STORED IN THE POUND OF THE DEPARTMENT OF DOCKS AND FERRIES, AT THE FOOT OF WEST TWENTY-SIXTH STREET, NORTH RIVER, BOROUGH OF MANHATTAN, IN THE CITY OF NEW YORK, THE FOLLOWING VEHICLES:

Pound No. 1—Dirt cart, bad shape; red body and red wheels. Candee & Smith, Twenty-sixth street, East river, No. 17. In Pound four years.

Pound No. 5—Single wagon, blue body and red wheels; fair shape. Coal and wood, license 8719. Taken from Pier 14, North river, April 5, 1899.

Pound No. 10—Double truck, bad shape; red body and red wheels; no pole. License 2816. Taken from Pier 43, North river, April 13, 1899.

Pound No. 19—Single wagon, bad shape; yellow body and red wheels. License 6073 or 674. Taken from Stanton street, East river, May 9, 1899.

Pound No. 20—Single wagon, fair shape; green body and red wheels. License 9029. Taken from Stanton street, East river, May 9, 1899.

Pound No. 21—Single-shed wagon, bad shape; green body and red wheels. C. Schulz, Bottler Dealer, No. 13 Ninth avenue. Taken from Thirteenth street, North river, May 13, 1899.

Pound No. 27—Single wagon, bad shape; green body and red wheels. M. Buchalter, No. 242 East Second street. Taken from Stanton street, East river, May 20, 1899.

Pound No. 30—Single wagon, bad shape; green body and red wheels. No. 218 Mott street. License 3159. Taken from Stanton street, East river, May 20, 1899.

Pound No. 42—Single truck, bad shape; red body and red wheels. H. Kester, Public Truck, No. 41 Essex street. License 5342. Taken from Pike street, East river, July 15, 1899.

Pound No. 71—Double truck, bad shape; red body and red wheels; no pole, no marks. Taken from Pier 39, North river, May 10, 1902.

Pound No. 84—Coal cart, no tail-board, bad shape; black body and red wheels, No. 6. Taken from Thirteenth street, North river, June 2, 1902.

Pound No. 85—Dirt cart, no tail-board, bad shape; blue body and red wheels. License 179. Taken from Thirteenth street, North river, June 2, 1902.

Pound No. 107—Single-shed wagon, fair shape; red body and yellow wheels. John Ridel, No. 108 West Forty-fourth street, Bayonne, N. J. Fruits and Vegetables. Taken from Pier 39, North river, August 4, 1902.

Pound No. 116—Single wagon, fair shape; red body and yellow wheels. J. H. Port, No. 221 Avenue B. Taken from Pier 42, North river, October 14, 1902.

Pound No. 124—Single wagon, bad shape; green body and red wheels; no marks. Taken from Pier 42, North river, February 5, 1903.

Pound No. 125—Single truck, bad shape; red body and red wheels. J. H. Ackerman, No. 1719. Taken from Pier 43, North river, February 5, 1903.

Pound No. 139—Double truck, bad shape; red body and red wheels; with pole; no marks. Taken from Pier 38, North river, March 24, 1903.

Pound No. 145—Double ash truck, fair shape; blue body and red wheels; with pole. P. Goss, No. 320 East Thirty-fifth street. License 162. Taken from Thirty-fifth street, East river, April 1, 1903.

Pound No. 147—Single truck, bad shape; white body and red wheels. License 6761. Taken from Fifth street, East river, April 6, 1903.

Pound No. 151—Double truck, bad shape; blue body and red wheels; no pole, no marks. Taken from between Twenty-eighth and Twenty-ninth streets, North river, May 1, 1903.

Pound No. 153—Single windlass truck, bad shape; red body and red wheels. Empire Forwarding Company, 119. Taken from Pier 35, North river, May 5, 1903.

Pound No. 154—Single wagon, bad shape; green body and red wheels. Edwin A. Low, Low's Exchange, No. 1123 Broadway. Taken from Twenty-ninth street, North river, May 15, 1903.

Pound No. 156—Double ash truck; white body and red wheels. P. Goss, No. 320 East Thirty-fifth street, No. 15. Bad shape, no pole. Taken from Thirty-fifth street, East river, May 18, 1903.

Pound No. 157—Double truck; with pole, bad shape; blue body and red wheels; no marks. Taken from between Piers 24 and 25, North river, May 22, 1903.

Pound No. 159—Dirt cart, bad shape; green body and red wheels. J. Garvey. License 868. Taken from between Twenty-eighth and Twenty-ninth streets, North river, June 8, 1903.

Pound No. 160—Single wagon, bad shape; green body and red wheels. Star Baggage Express, License 1463. Taken from Pier 44, North river, June 9, 1903.

Pound No. 161—Double ash truck, with pole, bad shape; white body and red wheels. P. Goss, No. 320 East Thirty-fifth street. Taken from Pier 35, North river, June 20, 1903.

NOTICE IS HEREBY GIVEN THAT UNLESS SUCH TRUCKS, WAGONS, ETC., ARE RECLAIMED AND THE EXPENSES INCURRED IN CONNECTION THEREWITH ARE PAID TO THE COMMISSIONER OF DOCKS ON OR BEFORE THE 16TH DAY OF MAY, 1904, THE COMMISSIONER OF DOCKS WILL, AFTER FURTHER ADVERTISEMENT, SELL SUCH TRUCKS, WAGONS, ETC., AT PUBLIC AUCTION TO THE HIGHEST BIDDER AND PAY THE EXPENSES WHICH HAVE BEEN INCURRED IN CONNECTION THEREWITH.

FURTHER NOTICE IS HEREBY GIVEN THAT UNLESS SUCH TRUCKS, WAGONS, ETC., ARE RECLAIMED AND THE EXPENSES INCURRED IN CONNECTION THEREWITH ARE PAID TO THE COMMISSIONER OF DOCKS ON OR BEFORE THE 16TH DAY OF MAY, 1904, THE COMMISSIONER OF DOCKS WILL, AFTER FURTHER ADVERTISEMENT, SELL SUCH TRUCKS, WAGONS, ETC., AT PUBLIC AUCTION TO THE HIGHEST BIDDER AND PAY THE EXPENSES WHICH HAVE BEEN INCURRED IN CONNECTION THEREWITH.

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In the Borough of The Bronx, at the office of the Department, Municipal Building, One Hundred and Seventy-seventh street and Third avenue.

In the Borough of Brooklyn, at the office of the Department, Municipal Building.

In the Borough of Queens, at the office of the Department, Hackett Building, Jackson avenue and Fifth street, Long Island City.

In the Borough of Richmond, at the office of the Department, Masonic Building, Stapleton.

Corporations in all the Boroughs must make application only in the main office in the Borough of Manhattan.

Applications in relation to the assessed valuation of personal estate must be made by the person assessed at the office of the Department in the Borough where such person resides, and in the case of a non-resident carrying on business in The City of New York, at the office of the Department of the Borough where such place of business is located, between the hours of 10 a. m. and 2 p. m., except on Saturday, when all applications must be made between 10 a. m. and 12 noon.

FRANK A. O'DONNELL,
President,
JAMES B. BOUCK,
JOHN J. BRADY,
EDWARD TODD,
SAMUEL STRASBOURGER,
Commissioners of Taxes and Assessments.

18,1

DEPARTMENT OF STREET CLEANING.

DEPARTMENT OF STREET CLEANING, NEW YORK, February 9, 1904.

PUBLIC NOTICE IS HEREBY GIVEN THAT written applications for non-competitive examinations for the following positions on the steam dumper "Cinderella," "Aschenbroedel" and "Cenerentola," pursuant to a resolution of the Municipal Civil Service adopted January 27, 1904, approved by the State Civil Service Commission February 5, 1904, will be received at the Main Office of the Department of Street Cleaning, on the fourteenth floor of Nos. 13-21 Park row, Room No. 1416, on Wednesdays of each week at 2 p. m.:

3 Masters.

3 Mates.

6 Marine Enginemen.

12 Deckhands.

12 Firemen.

(Signed) JOHN McGAW WOODBURY, Commissioner.

13

MAIN OFFICE OF THE DEPARTMENT OF STREET CLEANING, ROOM 1421, NOS. 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the Commissioner of Street Cleaning at the above office until 2 o'clock P. M., on

THURSDAY, FEBRUARY 25, 1904.

Boroughs of Manhattan and The Bronx.

CONTRACT FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR TOWING SCOWS AND UNLOADING THEM AT RIKER'S ISLAND.

The time for the completion of the work and the full performance of the contract is one year.

The amount of security required is Thirty Thousand Dollars.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Each bid must state the price per scow load (per "small" scow, per "large" scow, per "extra large" scow, and per "special extra large" scow), and these prices must be written out, and must also be given in figures.

Each bid must be accompanied by a certified check on a solvent banking corporation in The City of New York, payable to the order of the Comptroller of The City of New York, for five per centum of the amount for which the work bid for is proposed in one year to be performed.

From the bids received the Commissioner of Street Cleaning may select the bid the acceptance of which will in his judgment best secure the efficient performance of the work, or he may reject any or all of said bids.

Blank forms and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13-21 Park row.

JOHN McG. WOOLBURY,
Commissioner of Street Cleaning.

Dated 1904.

14,25
See General Instructions to Bidders on the last page, last column, of the "City Record."

ASHES, ETC., FOR FILLING IN LANDS. PERSONS HAVING LANDS OR PLACES in the vicinity of New York Bay to fill in can procure material for that purpose—ashes, street sweepings, etc., collected by the Department of Street Cleaning—free of charge by applying to the Commissioner of Street Cleaning, Nos. 13 to 21 Park Row, Borough of Manhattan.

JOHN McGAW WOODBURY,
Commissioner of Street Cleaning.

BOROUGH OF MANHATTAN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, CITY HALL, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE RECEIVED by the President of the Borough of Manhattan, at the City Hall, Room No. 16, until 3 o'clock P. M., on

WEDNESDAY, MARCH 2, 1904.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR BUILDING SEWER IN WEST FIFTEENTH STREET, between Ninth and Tenth avenues.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required, is as follows:

350 linear feet of brick sewer of 3 feet 6 inches by 2 feet 4 inches interior diameter, class I.

400 linear feet of brick sewer of 3 feet 6 inches by 2 feet 4 inches interior diameter, class II.

40 linear feet of salt glazed vitrified stone-ware pipe culvert of 12 inches interior diameter.

10 cubic yards of rock to be excavated and removed.

35,000 feet B. M. of timber and planking for bracing and sheet piling.

The time allowed to complete the whole work will be one hundred (100) working days.

The amount of the security required is Thirty-five Hundred Dollars (\$3,500).

The plans and drawings may be seen and other information obtained at the office of the Commissioner of Public Works, Bureau of Sewers, Nos. 13-21 Park row, Borough of Manhattan.

JOHN F. AHEARN,
Borough President.

THE CITY OF NEW YORK, February 18, 1904.

18,2

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF PUBLIC CHARITIES.

DEPARTMENT OF PUBLIC CHARITIES, FOOT OF EAST TWENTY-SIXTH STREET, NEW YORK.

TO CONTRACTORS.

PROPOSALS FOR BIDS OR ESTIMATES. SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities at the above office until 12 o'clock M., on

MONDAY, FEBRUARY 29, 1904.

FOR FURNISHING AND DELIVERING HOTEL SUPPLIES.

The time for the performance of the contract is during the year 1904.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price per pound, dozen, gallon, yard, etc., by which the bids will be tested.

The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder on each line or item, as stated in the specifications.

Blank forms and further information may be obtained at the office of the General Drug Department, Bellevue Hospital Grounds, East Twenty-sixth street, Borough of Manhattan.

JAMES H. TULLY,

Commissioner.

THE CITY OF NEW YORK, February 15, 1904.

No. 215 EAST TWENTY-FIRST STREET, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 50 working days, as provided in the contract.

The amount of security required is as follows:

Item 1..... \$2,800 00

Item 2..... 250 00

Borough of Queens.

No. 2. INSTALLING HEATING AND VENTILATING APPARATUS FOR ADDITION TO AND ALTERATIONS IN PUBLIC SCHOOL 28, ON THE WEST SIDE OF SIXTH STREET, BETWEEN FIRST AND SECOND AVENUES, COLLEGE POINT, BOROUGH OF QUEENS.

The time of completion is 60 working days.

The amount of security required is One Thousand Seven Hundred Dollars.

No. 3. ERECTING FIRE ALARM TELEGRAPH CONNECTIONS AND INSTALLING SIGNAL BOXES, ETC., AT VARIOUS SCHOOLS, IN THE BOROUGH OF QUEENS.

The time allowed to complete the whole work will be 30 working days, as provided in the contract.

The amount of security required is One Thousand Two Hundred Dollars.

On Contracts Nos. 2 and 3 the bids will be compared and the contract awarded in a lump sum to the lowest bidder on each contract.

On contract No. 1 the bidders must state the price of each or any article or item contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total of each item and award made to the lowest bidder on each item.

Delivery will be required to be made at the time and manner and in such quantities as may be directed.

Blank forms may be obtained and the plans and drawings may be seen at the office of the Superintendent, at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan, also at branch office, No. 69 Broadway, Flushing, Borough of Queens, for work for their respective boroughs.

C. B. J. SNYDER,

Superintendent of School Buildings.

FEBRUARY 10, 1904.

See General Instructions to Bidders on the last page, last column, of the "City Record."

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Chairman of the Executive Committee of the Normal College at the above office of the Department of Education, until 11 o'clock A. M., on

MONDAY, MAY 2, 1904.

Borough of Manhattan.

NORMAL COLLEGE.

No. 1. FOR REPAIRS AND ALTERATIONS TO THE NORMAL COLLEGE BUILDINGS, PARK AND LEXINGTON AVENUES, SIXTY-EIGHT TO SIXTY-NINTH STREET, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be 30 working days for Item 1 and 90 working days for Item 3, as provided in the contract.

The amount of security required is as follows:

Item 1..... \$1,000 00

Item 3..... 3,000 00

On Contract No. 1 the bidders must state the price of each or any article or item contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total of each item and award made to the lowest bidder on each item.

C. B. J. SNYDER,

Superintendent of School Buildings.

FEBRUARY 10, 1904.

See General Instructions to Bidders on the last page, last column, of the "City Record."

SUPREME COURT.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening EIGHTY-SEVENTH STREET, between Fifth avenue and Narrows avenue, in the Thirteenth Ward, in the Borough of Brooklyn, in The City of New York.

NOTICE IS HEREBY GIVEN THAT AN APPLICATION will be made to the Supreme Court of the State of New York, at a Special Term of said Court for the hearing of motions, to be held in and for the County of Kings, in the County Court-house, in the Borough of Brooklyn, in The City of New York, on the 3d day of March, 1904, at the opening of the court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Assessment in the above-entitled proceeding.

The nature and the extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and appurtenances thereto belonging, required for the opening of a street known as Eighty-seventh street, between Fifth avenue and Narrows avenue, in the Thirteenth Ward, in the Borough of Brooklyn, in The City of New York.

The lands required for the purpose of opening Eighty-seventh street, between Fifth avenue and Narrows avenue, as aforesaid, are shown on a map or plan of The City of New York, pursuant to a resolution passed by the Board of Estimate and Apportionment on the 12th day of December, 1902, adopted by the Board of Aldermen of The City of New York on the 31st day of March, 1903, and approved by the Mayor of The City of New York on the 6th day of April, 1903, and are also shown on a map of those portions of said streets and lands affected by these proceedings made by the Topographical Division of the Bureau of Highways of the Borough of Brooklyn, and signed by George W. Tillson, Chief Engineer, and George J. Bischof, Assistant Engineer in charge, and dated September 15, 1902, which map was filed in the office of the Corporation Counsel of The City of New York, in the Borough of Brooklyn, on the 28th day of November, 1903.

Dated Borough of Brooklyn, The City of New York, the 18th day of February, 1904.

JOHN J. DELANY,

Corporation Counsel,

No. 166 Montague Street,

Brooklyn, N. Y.

18,2

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening SILLIMAN PLACE, between Second avenue and Third avenue, in the Thirteenth Ward, in the Borough of Brooklyn, in The City of New York.

NOTICE IS HEREBY GIVEN THAT AN APPLICATION will be made to the Supreme Court of the State of New York, at a Special Term of said Court for the hearing of motions, to be held in and for the County of Kings, in the County Court-house, in the Borough of Brooklyn, in The City of New York, on the 3d day of March, 1904, at the opening of the court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Assessment in the above-entitled proceeding.

The nature and the extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and appurtenances thereto belonging, required for the opening of a street known as Silliman place, between Second avenue and Third avenue, in the Thirteenth Ward, in the Borough of Brooklyn, in The City of New York.

The lands required for the purpose of opening Silliman place, between Second avenue and Third avenue, as aforesaid, are shown on a map entitled "The General Map or Plan of the Towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, in the County of Kings," prepared by the Town Survey Commissioners pursuant to an act of the Legislature passed May 1, 1869, and the several acts amendatory thereof, and filed in the office of the Register of the County of Kings in the year 1874, now incorporated with and forming a part of the map of The City of New York, and also shown on a map of that portion of said street affected by these proceedings made by the Topographical Division of the Bureau of Highways of the Borough of Brooklyn, and signed by George W. Tillson, Chief Engineer, and George J. Bischof, Assistant Engineer in charge, and dated November 27, 1903, which map was filed in the office of the Corporation Counsel of The City of New York, in the Borough of Brooklyn, on the 30th day of November, 1903.

Dated Borough of Brooklyn, City of New York, the 18th day of February, 1904.

pursuant to an act of the Legislature passed May 1, 1860, and the several acts amendatory thereof, and filed in the office of the Register of the County of Kings in the year 1874, now incorporated with and forming a part of the map of The City of New York, and also shown on a map of that portion of said street affected by these proceedings made by the Topographical Division of the Bureau of Highways of the Borough of Brooklyn, and signed by William C. Redfield, Commissioner of Public Works; George W. Tillson, Chief Engineer, and George J. Bischof, Assistant Engineer in charge, and dated December 8, 1903, which map was filed in the office of the Corporation Counsel of The City of New York, in the Borough of Brooklyn, on the 10th day of December, 1903.

Dated Borough of Brooklyn, City of New York, the 18th day of February, 1904.

JOHN J. DELANY,
Corporation Counsel,
No. 166 Montague Street,
Brooklyn, N. Y.
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SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening WEST THIRTEENTH STREET, between Eighty-sixth street and Gravesend Basin, in the Thirty-first Ward, in the Borough of Brooklyn, in The City of New York.

NOTICE IS HEREBY GIVEN THAT AN application will be made to the Supreme Court of the State of New York, at a Special Term of said Court for the hearing of motions, to be held in and for the County of Kings, in the County Court-house, in the Borough of Brooklyn, in The City of New York, on the 3d day of March, 1904, at the opening of court on that day, or as soon thereafter as counsel can be heard, for the appointment of Commissioners of Estimate and Assessment in the above-entitled proceeding.

The nature and the extent of the improvement hereby intended is the acquisition of title by The City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and appurtenances thereto belonging, required for the opening of a street known as West Thirteenth street, between Eighty-sixth street and Gravesend Basin, in the Thirty-first Ward, in the Borough of Brooklyn, in The City of New York.

The lands required for the purpose of opening West Thirteenth street, between Eighty-sixth street and Gravesend Basin, as aforesaid, are shown on a map entitled "The General Map or Plan of the Towns of New Utrecht, Flatbush, Gravesend, Flatlands and New Lots, in the County of Kings," prepared by the Town Survey Commissioners pursuant to an act of the Legislature passed May 1, 1860, and the several acts amendatory thereof, and filed in the office of the Register of the County of Kings in the year 1874, now incorporated with and forming a part of the map of The City of New York, and also shown on a map of that portion of said street affected by these proceedings made by the Topographical Division of the Bureau of Highways of the Borough of Brooklyn, and signed by George W. Tillson, Chief Engineer, and George J. Bischof, Assistant Engineer in charge, and dated November 27, 1903, which map was filed in the office of the Corporation Counsel of The City of New York, in the Borough of Brooklyn, on the 30th day of November, 1903.

Dated Borough of Brooklyn, City of New York, the 18th day of February, 1904.

JOHN J. DELANY,
Corporation Counsel,
No. 166 Montague Street,
Brooklyn, N. Y.
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FIRST DEPARTMENT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the westerly side of ALLEN STREET, one hundred and sixteen (116) feet and eight (8) inches south of Rivington street, in the Borough of Manhattan, in The City of New York, duly selected as a site for a public bath, according to law.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate and Appraisal in the above-entitled matter, do hereby give notice to the owner or owners, lessee or lessees, parties or persons respectively entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First—That we have completed our estimate of the loss and damage to the respective owners, lessees, parties and persons respectively entitled to or interested in the lands and premises affected by this proceeding, or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Board of Estimate and Apportionment of The City of New York, at their office in the City Hall, in the Borough of Manhattan, City of New York, for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, or who may object to the same, or any part thereof, may within ten days after the first publication of this notice, February 13, 1904, file their objections to such estimate, in writing, with us, at our office, Room No. 401, No. 258 Broadway, in the Borough of Manhattan, in the said city; and that we, the said Commissioners, will hear parties so objecting, at our office, on the 26th day of February, 1904, at 3 o'clock in the afternoon, and upon such subsequent days as may be found necessary.

Dated New York, February 11, 1904.

ADAM WIENER,
AUGUST H. STEBBINS,
CHARLES W. DAYTON, Jr.,
Commissioners.

JOSEPH M. SCHENCK,
Clerk.
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FIRST JUDICIAL DISTRICT.

In the matter of the application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of certain lands, lands under water, lands under water filled in, wharf property, wharfage rights, terms, easements, emoluments and privileges necessary to be taken for the improvement of the water front of The City of New York, on the North river, BETWEEN WEST FORTY-FIRST AND WEST FORTY-SECOND STREETS, extended, pursuant to the plan heretofore adopted by the Board of Docks, and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court bearing date the 30th day of December, 1903, and filed and entered in the office of the Clerk of the County of New York on the same day, Commissioners of Estimate and Assessment in the above-entitled proceeding, for the purpose of making a just and equitable estimate of the loss and damage to the respective owners, lessees, parties and persons entitled to or interested in the lands, lands under water, lands under water filled in, wharf property, wharfage rights, terms, easements, emoluments and privileges to be taken herein for the improvement of the water front on the North river, and which said lands, lands under water, lands under water filled in, wharf property, wharfage rights, terms, easements, emoluments and privileges which are to be taken, are described as follows:

Beginning at a point formed by the intersection of the westerly side of Twelfth avenue with the northerly side of West Forty-first street; running thence westerly along the northerly side of West Forty-first street, extended, to the easterly side of Thirteenth avenue, as the same was established by chapter 182 of the Laws of 1877; running thence northerly along said easterly side of Thirteenth avenue to the southerly side of West Forty-second street, extended; running thence easterly along the southerly side of West Forty-second street, extended, to the westerly side of Twelfth avenue, and running thence southerly along the westerly side of Twelfth avenue to the northerly side of West Forty-first street, to the point or place of beginning:

Together with all wharfage rights, terms, easements and privileges and appurtenances or emoluments of any kind whatsoever in and to the above-described premises, including the bulkhead westerly of the westerly side of Twelfth avenue, between West Forty-first and West Forty-second streets.

All parties and persons interested in the said lands, lands under water, lands under water filled in, wharf property, wharfage rights, terms, easements, emoluments and privileges taken, or to be taken for the said improvement of the water front of The City of New York on the North river, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, or the benefit and advantage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening the above-mentioned street or avenue, the same being particularly set forth and described in the petition of The City of New York, and also in the notice of the application for the said order thereto attached, filed herein in the office of the Clerk of the County of New York on the 17th day of January, 1902, in the office of the Clerk of the County of Kings on the 6th day of January, 1902, and in the office of the Clerk of the County of Westchester on the 17th day of January, 1902, and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed thereto, and of performing the trusts and duties required of us by chapter 17, title 4 of the Greater New York Charter, as amended, and the acts or parts of acts supplementary thereto or amendatory thereof.

Notice is hereby further given that by an order of the Supreme Court, duly filed and entered in the office of the Clerk of the County of Westchester on January 6, 1904; in the office of the Clerk of the County of Kings on January 6, 1904, and in the office of the Clerk of the County of New York on January 7, 1904, and a copy of which order was filed in the office of the Register of the County of New York on the 7th day of January, 1904, the above-entitled proceeding was duly and regularly amended by excluding therefrom the property not required for the opening of said avenue and by including therein certain additional pieces of land, which, together with the lands to be excluded, are more particularly described and bounded in the petition attached to said order.

All parties and persons interested in the real estate taken or to be taken under this order for the purpose of acquiring said street or avenue or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned, Commissioners of Estimate and Assessment, at our office, fourteenth floor, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, with such affidavits or other proofs as the said owners or claimants may desire, within twenty days after the date of this notice, and we, the said Commissioners, will be in attendance at our office above specified on the 11th day of March, 1904, at 10:30 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs or allegations as may be then offered by such owners, or on behalf of The City of New York.

DATED, BOROUGH OF MANHATTAN, CITY OF NEW YORK, February 11, 1904.

BENNO LEWINSON, Chairman;
JOHN C. COLEMAN,
FREDERIC C. WAGNER,
Commissioners.

JOSEPH M. SCHENCK,
Clerk.
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FIRST DEPARTMENT.

In the matter of the application of The City of New York, relative to amending its application heretofore made in the matter of acquiring title, wherever the same has not been heretofore acquired, to EXTERIOR STREET (although not yet named by proper authority), from East One Hundred and Thirty-fifth street to Girard avenue at Cheever place, in the Twenty-third Ward, Borough of The Bronx, City of New York, by excluding from said proceeding certain property not required for said street.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term of said Court, to be held at Part III, thereof, in the County Court-house, in the Borough of Manhattan, in The City of New York, on the 17th day of February, 1904, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for an order amending the proceeding entitled "In the matter of the application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to Exterior street, from East One Hundred and Thirty-fifth street to Girard avenue at Cheever place, in the Twenty-third Ward, Borough of The Bronx, City of New York," and the petition and order appointing Commissioners of Estimate and Assessment therein, heretofore duly entered and filed in the office of the Clerk of the County of New York, in the Borough of Manhattan, City of New York, on the 8th day of May, 1899, by excluding therefrom certain property not required for said street, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the western line of Exterior street (as now being acquired) distant 51.67 feet southerly from the intersection of said line with the southern line of East One Hundred and Thirty-eighth street as legally opened;

1st. Thence easterly parallel with the southern line of East One Hundred and Thirty-eighth street for 20.67 feet;

2d. Thence southerly deflecting 75 degrees 24 minutes to the right for 743.30 feet;

3d. Thence northwesterly deflecting 135 degrees 8 minutes 30 seconds to the right for 54.05 feet;

4th. Thence southwesterly deflecting 73 degrees 34 minutes to the left for 21.81 feet;

5th. Thence southwesterly deflecting 1 degree 19 minutes 20 seconds to the right for 53.16 feet;

6th. Thence southwesterly deflecting 2 degrees 10 minutes 40 seconds to the right for 8.22 feet to the pierhead and bulkhead-line of the Harlem river;

7th. Thence northerly along said line deflecting 102 degrees 36 minutes 5 seconds to the right for 77.15 feet;

8th. Thence northerly still along said line deflecting 0 degrees 57 minutes 28 seconds to the left for 62.85 feet;

9th. Thence easterly deflecting 90 degrees to the right for 119.35 feet;

10th. Thence northerly deflecting 79 degrees 13 minutes 7 seconds to the left for 587.71 feet to the point of beginning.

The land excluded from Exterior street is shown on a map entitled "Map or plan showing change of lines of Exterior street, between East One Hundred and Thirty-eighth street and East One Hundred and Thirty-fifth street, and change of grades of East One Hundred and Thirty-fifth street and Exterior street, in the Twenty-third Ward, Borough of The Bronx, City of New York, prepared by the President of the Borough of The Bronx under authority of chapter 466 of the Laws of 1901," which was filed in the office of the President of the Borough of The Bronx, in the office of the Counsel to the Corporation of The City of New York, and in the office of the Register of the City and County of New York on or about the 6th day of October, 1903.

Dated NEW YORK, February 4, 1904.

JOHN J. DELANY,
Corporation Counsel.

No. 2 Tryon Row,
Borough of Manhattan.

New York City.
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SECOND DEPARTMENT.

In the matter of the application of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of WESTCHESTER AVENUE (although not yet named by proper authority), from the Bronx river to Main street, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court bearing date the 30th day of December, 1903, and filed and entered in the office of the Clerk of the County of Kings, at his office in the Borough of Brooklyn, in The City of New York, on the 6th day of January, 1904, and in the office of the Clerk of the County of New York, at his office in the

Borough of Manhattan, in The City of New York, on the 17th day of January 1902, and in the office of the Clerk of the County of Westchester at his office at White Plains, Westchester County, in the State of New York, on the 17th day of January, 1902, a copy of which order was duly filed in the office of the Register of the County of New York, and indexed in the Index of Conveyances, No. 172, Annexed Territory, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, or the benefit and advantage, if any, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the opening and extending of the above-mentioned street or avenue, the same being particularly set forth and described in the petition of The City of New York, and also in the notice of the application for the said order thereto attached, filed herein in the office of the Clerk of the County of New York on the 17th day of January, 1902, in the office of the Clerk of the County of Kings on the 6th day of January, 1902, and in the office of the Clerk of the County of Westchester on the 17th day of January, 1902, and a just and equitable estimate and assessment of the value of the benefit and advantage of said street or avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed thereto, and of performing the trusts and duties required of us by chapter 17, title 4 of the Greater New York Charter, as amended, and the acts or parts of acts supplementary thereto or amendatory thereof.

Notice is hereby further given that by an order of the Supreme Court, duly filed and entered in the office of the Clerk of the County of Westchester on January 6, 1904; in the office of the Clerk of the County of Kings on January 6, 1904, and in the office of the Clerk of the County of New York on January 7, 1904, and a copy of which order was filed in the office of the Register of the County of New York on the 7th day of January, 1904, the above-entitled proceeding was duly and regularly amended by excluding therefrom the property not required for the opening of said avenue and by including therein certain additional pieces of land, which, together with the lands to be excluded, are more particularly described and bounded in the petition attached to said order.

All parties and persons interested in the real estate taken or to be taken under this order for the purpose of acquiring said street or avenue or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned, Commissioners of Estimate and Assessment, at our office, fourteenth floor, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in The City of New York, with such affidavits or other proofs as the said owners or claimants may desire, within twenty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 3d day of March, 1904, at 10 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owners or on behalf of The City of New York.

DATED, BOROUGH OF MANHATTAN, CITY OF NEW YORK, February 8, 1904.

JOHN F. COFFIN, Chairman;
EDWARD L. GODFREY,
M. J. MACK, Commissioners.

JOHN P. DUNN,
Clerk.
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FIRST JUDICIAL DISTRICT.

In the matter of the application of The City of New York, acting by and through the Commissioner of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appertaining to Pier, old No. 18, East river, in the Borough of Manhattan, The City of New York, not now owned by The City of New York, and all right, title and interest in and to said pier, or any portion thereof not now owned by The City of New York, for the improvement of the water front of The City of New York on the East river, pursuant to the plan heretofore adopted by the Board of Docks and approved by the Commissioners of the Sinking Fund.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court bearing date the 19th day of November, 1903, and filed and entered in the office of the Clerk of the County of New York on the 1st day of December, 1903, Commissioners of Estimate and Assessment in the above-entitled proceeding for the purpose of making a just and equitable estimate of the loss and damage to the respective owners, lessees, parties and persons entitled to or interested in the wharf property, wharfage rights, terms, easements, emoluments and privileges to be taken herein for the improvement of the water front on the East river, in the Borough of Manhattan, and which said wharf property, wharfage rights, terms, easements, emoluments and privileges so to be taken, are described as follows:

All the interest in the pier known as Pier, old No. 18, East river, near the foot of Maiden lane, in the Borough of Manhattan, City of New York, not now owned by The City of New York, said interest being an undivided half interest; said pier is situated about 7 feet westerly of Maiden lane, and is bounded and described as follows, to wit:

Beginning at a point in the old bulkhead at the foot of Maiden lane, between Piers, old No. 18 and old No. 19, East river, distant 12.5 feet westerly from that point in said bulkhead where the southerly extension of the westerly line of Maiden lane intersects the same, and running thence southerly along the easterly side of Pier, old No. 18, a distance of about 139.5 feet;