

# THE CITY RECORD.

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### DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending March 31, 1897.

DEPARTMENT OF PUBLIC WORKS, COMMISSIONER'S OFFICE, NEW YORK, April 22, 1897.

Hon. WILLIAM L. STRONG, Mayor.

DEAR SIR—In compliance with section 49 of the New York City Consolidation Act of 1882, I have the honor to present the following report of the transactions of the Department of Public Works for the quarter ending March 31, 1897:

#### SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation (Consolidation Act, section 189).....	\$726,604 62
On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150).....	142,041 04
On account of Funded Debt for Improvement and Extension of the Water Supply (Consolidation Act, section 141).....	38,987 59
On account of Additional Water-main Fund (chapter 669, Laws of 1896).....	12,989 96
On account of Repavement Fund (chapter 475, Laws of 1895).....	48,724 32
On account of Bridge over Spuyten Duyvil creek (chapter 399, Laws of 1896).....	392 50
On account of Bridge over Harlem River at Third avenue (chapter 413, Laws of 1892).....	56,929 85
On account of Repavement Fund (chapter 346, Laws of 1889).....	16,107 52
On account of Fire-hydrant Fund (chapter 510, Laws of 1894).....	10,583 06
On account of Revenue Bonds for Appellate Court (chapter 533, Laws of 1895).....	182 00
On account of Criminal Court-house Fund (chapter 371, Laws of 1887).....	6,400 10
On account of Crotona Park Building (chapter 248, Laws of 1894).....	13,975 00
On account of Archway at Burnside avenue (chapter 719, Laws of 1896).....	949 98
On account of Special Fund for Restoring Pavements (Revised Ordinances of 1897, sections 740 to 743).....	9,980 18
On account of Revenue Bonds for Water-meters (Consolidation Act, sections 161 and 252).....	806 29
Total.....	\$1,085,654 01

#### SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered into during the Quarter.	Estimated Cost.	Contracts Completed during the Quarter.	Actual Cost.
8 sewer and basin contracts.....	\$97,412 75	5 sewer and basin contracts.....	\$19,378 98
14 grading, curbing and flagging contracts.....	183,698 60	17 paving and repaving contracts.....	200,898 03
5 paving and repaving contracts.....	160,376 76	1 water-main contract.....	85,933 66
2 water-main contracts.....	55,803 50	9 miscellaneous contracts.....	31,858 17
11 gas and electric-light contracts.....	1,114,175 67		
23 miscellaneous contracts.....	114,515 67		
63 contracts; total estimated cost.....	\$1,725,582 95	32 contracts; total cost.....	\$338,068 84

#### BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

There were twenty days in January and six days in February when the natural flow of the Croton river at the Croton Dam had to be supplemented by light draughts on water stored in reservoirs. At the close of the quarter all the storage reservoirs were full, except the new Reservoir "A," on Muscoot river, which is slowly filling. The total quantity of water in storage is 37,000,000 gallons. Consumption less than 250 millions per diem.

The following table shows the rainfall for the quarter at the several stations where rain gauges are kept by the Department:

LOCATIONS.	JANUARY.	FEBRUARY.	MARCH.	TOTAL.
	Inches.	Inches.	Inches.	Inches.
Boyd's Corner Reservoir.....	4.07	3.14	3.68	10.89
Middle Branch Reservoir.....	3.53	2.66	3.49	9.68
Kensico Reservoir.....	4.54	4.14	2.86	11.54
Croton Dam.....	2.90	2.60	3.03	8.59
Central Park Reservoir.....	3.05	3.75	3.44	10.27

#### Bronx and Byram Rivers Supply.

The inlet gates of the Byram river conduit were opened for the first time on January 21, to admit a flow of water which supplements the supply from the Bronx river. This addition to the water supply in the Twenty-third and Twenty-fourth Wards was very much needed and welcomed. For the present time, however, only a part of the Byram river supply is required and used, the remainder being allowed to flow over the dam and into Long Island Sound.

The construction of a dam and storage reservoir at Byram Pond has been begun by excavating the channelway and quarrying stone for the masonry-work.

#### Sanitary Protection of the Water Supply.

Several commissions of appraisal are still engaged in taking evidence and determining the values of lands on the borders of streams, lakes and reservoirs mapped out for acquisition by the City. Searches of titles and preparation of maps are in progress for lands required at the outlet of Mud Pond, around Lakes Mahopac and Kirk, along Muscoot river in Putnam County, along Bronx, Byram and Wampus rivers in Westchester County, and on the tributaries to Cornell Reservoir.

A force of men has been employed in removing buildings and clearing land taken at Mount Kisco, along Muscoot river, and along the West and Middle Branches of the Croton river. The operation of the electrozone plant for disinfecting the sewage at Brewsters has been continued, and at Mount Kisco 204 water-tight closet pans have been maintained and cleaned weekly.

#### Maintenance of Aqueducts and Reservoirs.

All the grounds and structures have been kept in good order. A drain from the High Bridge pumping station to the sewer under the speedway along the Harlem river is being placed. On the third and fifth divisions of the Old Aqueduct several sections of retaining-wall have been rebuilt.

#### Distribution of Water.

The work of laying two lines of 48-inch mains on Fifth avenue, after being suspended for the winter, was resumed early in March at Fifth street, proceeding northward, and north of Sixtieth street. The continuation of these by smaller mains south of Fourth street at South Fifth avenue has also been commenced. Under an additional appropriation made by chapter 669, Laws of 1896, contracts have been made to continue the large main heretofore laid from the New Aqueduct to Ninety-sixth street at West End avenue, down Eleventh avenue to Thirty-sixth street, and for a network of additional mains to distribute the water from the new Fifth avenue mains below Fourth street to Fulton street.

In the ordinary extension of the water service to new streets, 1,432 lineal feet of 12-inch mains, 4,875 lineal feet of 6-inch mains, 12 stop-cocks and 8 fire-hydrants were placed. For the benefit of the Fire Department service, 91 additional fire-hydrants and 7 stop-cocks were placed.

The six repair companies which have charge of the distributing system set 107 new fire-hydrants and 4 stop-cocks in place of old ones, and repaired 1,951 hydrants, 286 stop-cocks and 309 leaks in water-mains. They also shut off 262 service pipes on account of leaks.

The average daily consumption of water was: In January, 237,000,000 gallons; in February, 239,000,000 gallons, and in March, 231,000,000 gallons. During the very cold weather in the last week of January it rose to 250,000,000 gallons in consequence of waste in houses to keep pipes from freezing. Taking the past winter as a whole, the percentage of waste on this account has been less than in previous winters, which is no doubt due to the comparatively mild and even temperature, and rigorous inspection of meters.

The volume of distribution has reached its maximum for the present, and cannot be increased until the new large mains now under way and recently contracted for are completed.

#### Harlem River Bridge at Third Avenue.

All the progress which the weather permitted has been made on the foundations for the north approaches. There is no obstacle in view to prevent the opening of the bridge to public travel by next October.

#### Harlem River Bridge at First and Willis Avenues.

No further measures toward the construction of this bridge can be taken until the City obtains possession of the land required for the approaches and abutments. The commissioners for appraising the land are still taking evidence as to values.

#### Archway Under Aqueduct at Burnside Avenue.

The contractor for this work is making the excavations for the foundations.

#### BUREAU OF WATER PURVEYOR.

Several contracts for new pavements, the cost of which is to be assessed on the abutting property, have been completed, including 19,493 square yards of sheet asphalt and 6,977 square yards of asphalt blocks.

On the recommendation of the Department, the Board of Estimate and Apportionment has authorized the repaving with asphalt of additional streets, covering an area of 325,351 square yards, the estimated cost being \$809,315.20. Thirteen repaving contracts, covering 95,975 square yards of sheet asphalt, have already been let to the lowest bidders, at an average of \$3.08 per square yard, including fifteen years' maintenance. This is 12 cents per square yard less than the average of the lowest bids during 1896, which was \$3.20 per square yard. Five contracts have also been let to the lowest bidders for asphalt-block pavements on new streets, where the cost is assessed on abutting property. These contracts aggregate 7,889 square yards, at an average price of \$2.92 per square yard, including the concrete foundation, which is 28 cents less than the average lowest bids for 1896.

The pavements were opened in 4,419 places for the purpose of repairing gas-mains, electric subways, steam-pipes and their connections with buildings and to repair house connections with water-mains and sewers. The General Inspector issued 2,784 notices to corporations and individuals to repair defects in pavements which had been taken up and relaid, and in 2,372 cases the repairs were made.

#### Grading Streets and Flagging Sidewalks.

The following are the quantities of work performed during the quarter under the several contracts in progress: 1,624 cubic yards earth excavated; 5,417 cubic yards rock excavated; 4,900 cubic yards filling placed in embankments; 5,458 lineal feet new curb-stones set; 19,958 square feet new flagging laid; 1,725 square feet new crosswalks laid.

#### OFFICE OF THE ENGINEER IN CHARGE OF SEWERS.

There were built during the quarter 2,325 lineal feet of sewers, with seven receiving-basins, making the present total length of sewers on Manhattan Island 472.58 miles, with 5,622 receiving-basins. The new sewers which were completed are located in One Hundred and Forty-ninth street, between Hudson river and the Boulevard; in One Hundred and Sixty-third street, between Amsterdam avenue and Edgecombe road, and between Kingsbridge road and Eleventh avenue, and in Fourth avenue, between Thirty-first and Thirty-second streets. Improvements to the sewer in Morris street, between Greenwich street and Broadway, were also completed. At the close of the quarter work was in progress on twenty-five sewer contracts.

In the maintenance of the sewer system 1,884 receiving-basins and 100,753 lineal feet of sewers were cleaned, 171 lineal feet new pipe sewer and culvert laid, 4 new manholes built, 19 manhole heads and 1 basin head reset, 31 new manhole heads and 103 new covers placed, 1 new granite basin head and 18 new basin covers placed, 8 new basin hoods and 16 new grates placed and 239 cart-loads of sewer deposits removed.

#### BUREAU OF STREETS AND ROADS.

This Bureau has charge of 19 miles of macadam roadways and about 40 miles of unpaved streets. In the repairs of pavements 70 truck-loads of broken stone and 55 truck-loads of stone screenings were used. The crossings at intersecting streets were frequently cleaned, and 25 truck-loads of ashes were used to make crossings dry and comfortable.

Owing to the disturbed state of a part of Kingsbridge road in consequence of railroad construction, particular attention has been given to Fort Washington avenue, which is now in excellent condition, affording all necessary convenience for travel to and from the section known as Inwood.

The improvement and adornment of the park spaces in the centre of the Boulevard, which was begun last autumn, and has met with so much popular approval, has been continued as rapidly as the weather would permit. Eight additional plots have been made ready for sodding. A contract has been made for the improvement of all the remaining park spaces, and by next summer the appearance of the thoroughfare for its whole length will be uniform in that respect. Special attention has also been given to the care of the shade trees; 510 young American elm trees were planted and 1,073 trees trimmed and pruned. The further adornment of the small parks with fountains is under consideration.

On unpaved streets 46 large washouts were repaired, 14,680 square yards of roadway regraded, and 647 truck-loads of telford stone, 853 truck-loads of earth and 18 truck-loads of sand used in repairs.

#### BUREAU OF LAMPS AND GAS.

The following changes were made in the public lamp service during the quarter: 48 new gas-lamps placed and lighted, 6 new electric-lamps placed and lighted, 13 new naphtha-lamps placed and lighted, 14 old gas-lamps relighted, 17 gas-lamps displaced by electric-lamps, 67 gas-lamps temporarily displaced by excavation, 3 electric-lamps temporarily displaced and 1 naphtha-lamp temporarily displaced.

At the close of the quarter there were 25,523 gas-lamps, 3,531 electric-lamps and 1,140 naphtha-lamps in use on the streets, parks, docks and bridges of the city.

#### BUREAU OF REPAIRS AND SUPPLIES.

All the passenger elevators in the City buildings under the charge of the Department have been insured or reinsured against accidents in the Fidelity and Casualty Company, and are inspected bi-monthly by the Company. Contracts for telephone service in the various offices and for steam-heat in the County Court-house and the City Hall have been renewed for a year.

The old offices of the Sheriff in the County Court-house are being fitted up for the use of the Surrogates as court-rooms and offices.

In the Jefferson Market Court-house the drainage system has been thoroughly repaired and improved.

The contract for alterations and improvements in the County Jail is nearly completed. The Sheriff asks for still further changes and additions to render the detention of prisoners more secure.

Extensive repairs have been made to the roofs of West Washington and Jefferson Markets, and miscellaneous repairs were made at all the public markets.

Alterations and improvements were made in the Tenth and Thirteenth Judicial District Courts.

Unsafe parts of the walls of the large stables and depot of the Department of Street Cleaning, at the foot of East Sixteenth street, have been rebuilt.

Repairs to roofs, gutters and leaders were made at the armories of the Eighth, Twenty-second and Seventy-first Regiments. Other miscellaneous repairs were made at all the armories, and additional lockers were supplied in several of them. The large requisitions from the several military commands for office furniture and camp chairs will be filled from a contract which has been advertised and let to the lowest bidder.

Contracts by public letting to the lowest bidders have also been made for thorough repairs of the 15 free floating baths, for new lockers for Squadron A of the National Guard, and for fuel and ice for the various public buildings, offices and courts. The public baths have been reinsured against fire in the sum of \$100,000.

The new public building in Crotona Park is completed, except a few minor interior changes, and is now occupied by the Department of Street Improvements of the Twenty-third and Twenty-fourth Wards.

Full details of all repairs to public buildings and offices, and of the principal items of furniture, utensils, supplies and law books furnished them will be found in the report of the Superintendent of Repairs and Supplies, appended to this report.

#### BUREAU OF INCUMBRANCES.

The following is a summary of the operations of this Bureau for the quarter: 839 complaints of obstructions received and attended to, 293 seizures and removals of obstructions made, 327 cart-loads of abandoned material removed, 2 permits issued to cut down shade trees, 1,037 permits issued to place building material on streets, 41 permits issued for temporary sheds over sidewalks, 322 miscellaneous permits issued, 2 notices issued to repair defective vault covers.

The Bureau has been pursuing a system of inspections to ascertain and locate the projections on building fronts which exceed the limitations made by chapter 610 of the Laws of 1896, beginning with Broadway, Fifth avenue, Fourteenth street, Nassau street and other important and crowded thoroughfares, and proceeding in that order as rapidly as the small force of Inspectors is able to prosecute the work along with its ordinary duties. These projections are reported to the Counsel to the Corporation from time to time, for prosecution in accordance with the provisions of the Act of 1896. Up to the close of the quarter 544 cases have been so reported.

#### BUREAU OF WATER REGISTER.

The following is the amount of revenue from the water service collected by this Bureau and paid into the City Treasury:

For regular or frontage rates.....	\$36,855 21
For penalties on regular rates.....	1,872 30
For meter rates.....	521,707 78
For water supplied to shipping.....	27,151 70
For water supplied for miscellaneous purposes.....	10,349 29
For permits to tap water-mains.....	2,146 50

Total.....\$600,082 78

This is an increase of \$57,789.99 over the receipts for the first quarter of 1896, and \$168,668.25 over the receipts for the first quarter of 1895.



## MISCELLANEOUS REVENUE.

The Department also collected from various sources, and paid into the City Treasury, during the quarter the following amounts:

For vault permits.....	\$45,143 87	For use of road rollers.....	\$33 00
For sewer permits.....	6,333 64	For restoring pavements over street open-	22,817 35
For redemption of street obstructions.....	250 50	ings.....	559 40
For work and material furnished citizens.....	231 27	For furnishing and setting water-meters.....	
For articles sold at auction.....	41 85	Total.....	\$75,615 94
For permits for temporary sidewalk sheds.....	205 00		

Further and detailed information of the transactions of the Department will be found in the following documents hereto appended:

Document A—Summary of appropriations and expenditures.

DOCUMENT "A."—Showing Titles of Appropriations; Appropriations and Transfers of 1896; Requisitions from January 1 to December 31, 1896; Requisitions on Liabilities of 1896 during First Quarter of 1897; Balances of 1896 on April 1, 1897; Appropriations with Transfers for 1897; Requisitions on 1897, during First Quarter; Balances on April 1, 1897; also Titles and Expenditures on Trust and Special Accounts.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS INCLUDING TRANSFERS, 1896.	REQUISITIONS, FROM JAN. 1 TO DEC. 31, 1896.	REQUISITIONS ON LIABILITIES OF 1896, DURING 1ST QUARTER OF 1897.	BALANCES OF 1896 ON APR. 1, 1897.	APPROPRIATIONS WITH TRANSFERS, 1897.	REQUISITIONS, 1ST QUARTER, 1897.	BALANCES, APR. 1, 1897.
Aqueduct—Repairs, Maintenance and Strengthening.....	\$236,125 00	\$205,069 48	\$21,169 64	\$9,885 88	\$237,007 00	\$35,440 00	\$201,566 10
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	27,150 00	27,145 31	.....	4 69	28,000 00	6,037 36	21,962 64
Boring Examinations for Grading and Sewer Contracts.....	6,000 00	3,824 50	1,809 64	365 85	5,000 00	888 00	4,112 00
Boulevards, Roads and Avenues—Maintenance of—Salaries.....	117,000 00	113,780 74	2,471 81	747 45	130,000 00	23,997 95	106,002 05
Boulevards, Roads and Avenues—Maintenance of—Salaries.....	2,500 00	2,499 04	.....	.....	2,500 00	624 99	1,875 01
Bridge over Harlem Ship Canal—Maintenance of.....	7,500 00	7,169 78	254 75	75 47	10,000 00	2,158 39	7,841 61
Bronx River Works—Maintenance and Repairs—Salaries.....	17,500 00	15,065 45	382 67	2,051 88	25,755 00	3,666 00	22,089 00
Bronx River Works—Maintenance and Repairs—Salaries.....	1,300 00	1,306 00	.....	53 10	3,900 00	675 00	3,225 00
Contingencies—Department of Public Works.....	5,000 00	3,723 65	718 53	557 82	5,000 00	905 60	4,094 40
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	2,000 00	1,666 94	171 76	158 30	2,000 00	.....	2,000 00
Free Floating Baths.....	17,300 00	16,426 14	704 78	169 08	16,920 00	2,397 25	14,522 75
Free Floating Baths—Salaries.....	29,078 00	28,599 00	120 00	359 00	28,635 00	2,273 00	26,362 00
Lamps and Gas and Electric Lighting.....	1,087,831 00	987,133 65	100,530 84	106 51	1,222,831 00	184,953 15	1,037,877 85
Lamps and Gas and Electric Lighting—Salaries.....	6,500 00	6,499 80	.....	20	7,700 00	1,624 95	6,075 05
Laying Croton Pipes.....	222,100 00	200,488 09	9,093 11	12,548 80	230,000 00	100 41	229,899 59
Laying Croton Pipes—Salaries.....	17,680 00	17,229 67	140 00	310 33	19,780 00	3,689 93	16,090 07
One Hundred and Fifty-fifth Street Viaduct—Maintenance and Repairs and Painting.....	2,100 00	1,555 10	474 23	70 07	11,000 00	667 17	10,332 83
Public Buildings—Construction and Repairs.....	70,000 00	57,919 60	8,215 95	3,864 46	65,386 00	11,168 23	54,217 77
Public Buildings—Construction and Repairs, Ludlow Street Jail.....	8,000 00	1,295 93	222 70	6,480 37	.....	.....	.....
Armories—Repairs.....	5,000 00	2,028 90	407 69	2,503 41	55,000 00	742 59	54,257 41
Public Drinking-fountains.....	15,000 00	13,667 95	1,318 05	14 00	15,000 00	2,475 45	12,524 55
Removing Obstructions in Streets and Avenues, including Rents for Corporation Yards.....	9,900 00	9,771 21	.....	128 79	9,900 00	2,519 07	7,380 93
Repairing and Renewal of Pipes, Stop-cocks, etc.....	212,000 00	204,735 77	5,796 99	1,967 24	212,000 00	40,632 11	171,367 89
Repairs and Renewal of Pavements and Regrading.....	285,000 00	237,092 48	12,146 94	35,756 48	300,000 00	62,304 26	237,695 74
Repairs and Renewal of Pavements and Regrading—Salaries.....	17,000 00	15,979 18	.....	1,020 82	17,000 00	6,217 63	10,782 37
Repairs of Eighth Avenue Pavement.....	19,200 00	14,400 00	4,800 00	.....	19,200 00	.....	19,200 00
Repaving Streets and Avenues.....	225,000 00	121,153 15	9,055 93	94,790 92	312,000 00	.....	312,000 00
Repaving Streets and Avenues—Salaries.....	13,000 00	10,730 13	.....	2,269 87	13,000 00	2,374 98	10,625 02
Roads, Streets and Avenues Unpaved—Maintenance of and Sprinkling.....	35,000 00	33,191 71	1,288 75	521 54	35,000 00	4,268 74	30,731 26
Sewers—Repairing and Cleaning.....	123,600 00	118,607 55	3,401 19	1,591 26	125,000 00	25,555 72	99,444 28
Sewers—Repairing and Cleaning—Salaries.....	10,000 00	9,489 92	80 00	430 08	10,000 00	2,429 98	7,570 02
Sewerage System—Salaries.....	7,300 00	7,233 32	.....	66 68	8,400 00	1,944 99	6,455 01
Soldiers' Monument in Calvary Cemetery.....	4,350 00	.....	.....	4,350 00	.....	.....	.....
Street Improvements—For Surveying, Monumenting and Numbering Streets.....	4,000 00	1,701 35	264 50	2,034 15	4,000 00	320 00	3,680 00
Supplies for and Cleaning Public Offices, etc.....	173,295 00	152,630 21	12,158 36	8,506 43	182,325 00	30,356 58	151,968 42
Supplies for and Cleaning Public Offices—Salaries.....	36,010 66	35,890 93	10 00	185 73	33,316 66	9,196 78	24,119 88
Salaries—Department of Public Works.....	91,720 00	89,126 93	56 66	2,536 41	90,000 00	22,482 31	67,517 69
Salaries—Engineer, Clerks, Inspectors, etc.....	62,751 89	62,501 89	250 00	.....	68,626 51	16,070 34	52,556 17
Salaries—Consulting Engineer on Pavements, etc.....	5,000 00	4,999 92	.....	08	5,000 00	1,249 93	3,750 07
Supplying Water to Shipping and for Building Purposes—Salaries.....	7,916 60	7,844 00	72 00	.....	7,000 00	1,831 93	5,168 07
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	7,600 00	7,599 96	.....	04	7,500 00	1,899 99	5,600 01
Supplies for Armories.....	.....	.....	.....	.....	17,000 00	346 00	16,654 00
Water Supply for Twenty-fourth Ward.....	7,500 00	6,580 17	802 00	117 83	10,400 00	185 61	9,214 39
Totals.....	\$3,259,874 15	\$2,864,790 92	\$198,417 48	\$196,665 75	\$3,610,182 17	\$517,914 32	\$3,092,267 85

NOTE.—Requisitions drawn First Quarter, 1897, on Liabilities of 1896—Repaving Streets and Avenues, \$4,035.75; Repaving, chapter 346, Laws of 1889, \$8,799.32; same account of 1890, \$7,308.20; on Liabilities of 1895, Repairs and Renewal of Pavements and Regrading, \$5,893.07; Supplies for and Cleaning Public Offices, etc., \$244. The following vouchers were canceled—Voucher No. 1524, Requisition No. 27205, 155th Street Viaduct, Maintenance, etc., \$445.19; Voucher No. 886, Requisition No. 27203, Laying Croton Pipes, \$1,325.08; Voucher No. 1544, Requisition No. 27201, Repairs and Renewal of Pavements, etc., \$50; Vouchers Nos. 530, 532, 535, 541, 544, 547 and 550, of Requisitions Nos. 26648, 26673, 26694, 26713, 26730, 26740 and 26755, Salaries—Department of Public Works, \$10, \$15, \$15, \$15, \$15 and \$15; Voucher No. 1008, Requisition No. 27005, Public Buildings—Construction and Repairs, Ludlow Street Jail, \$318.15.

TITLES OF TRUST AND SPECIAL ACCOUNTS.	BALANCES OF 1896, RECENTS, ETC., TO APR. 1, 1897.	REQUISITIONS, 1ST QUARTER, 1897.	BALANCES, APR. 1, 1897.
Bridge across Harlem River at Third Avenue.....	\$439,527 43	\$56,929 85	\$382,697 58
Burnside Avenue Archway.....	84,683 34	949 98	83,733 36
Criminal Court-house Fund.....	.....	6,400 10	.....
Croton Water Fund.....	.....	38,987 59	.....
Fire Hydrant Fund.....	21,723 93	10,583 00	11,140 87
Public Building, Twenty-third and Twenty-fourth Wards—Crotona Park.....	41,923 75	13,975 00	27,948 75
Restoring and Repaving—Special Fund.....	13,409 75	9,980 18	3,429 57
Revenue Bond Fund—Supreme Court, Appellate Division.....	4,908 20	182 00	4,726 20
Spuynen Duyvil Creek Bridge.....	3,624 42	392 50	3,231 92
Street Improvement Fund.....	.....	142,641 04	.....
Water-main Fund.....	953,701 43	12,089 96	941,611 47
Water-meter Fund, No. 2.....	32,113 58	806 29	31,307 29
Repaving—Chapter 475, Laws of 1895.....	2,107,555 76	48,724 32	2,058,831 44

Statement of General Bookkeeper, D. P. W., Showing all Revenues of the City Received through the Department of Public Works during the First Quarter of 1897.

Source of Revenue—Water rents, \$596,063.98; water penalties, \$1,872.30; pipe tapping, \$2,146.50; sewer permits, \$6,333.64; vault permits, \$45,143.87; redemption of street obstructions, \$250.50; work and material furnished citizens, \$231.27; use of road rollers, \$33; sales by auction, \$41.85; permits for temporary sheds over sidewalks, \$205—total, \$652,321.91.

E. BEARDSLEY, General Bookkeeper, D. P. W.

## DOCUMENT "B."—STATEMENT OF CONTRACTS.

Contracts Entered Into During the Quarter ending March 31, 1897.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
<b>Sewer Contracts.</b>		
Sewer in 139th st., bet. Lenox and 7th aves.....	Thomas Murray.....	\$3,018 00
Sewer in 148th st., bet. Hudson river and Boulevard.....	Patrick Casey.....	3,028 50
Sewer in 7th ave., east side, bet. 145th and 147th sts.....	Thomas Murray.....	3,436 25
Sewer in East st., bet. Water and Rivington sts., with outlets at Grand and Rivington sts., and in Tompkins st., bet. Broome and Grand sts., and alterations and improvements to sewers in Cherry and Grand sts.; in Broome st., bet. East and Lewis sts.; in Delancey st., bet. East and Pitt sts., and to connecting sewers.....	Patrick Casey.....	64,032 25
Sewer in 117th st., bet. Amsterdam and Riverside aves.....	Walter J. Ford.....	8,247 50
Sewer in 112th st., bet. Riverside ave. and Boulevard.....	M. J. Conley.....	3,461 25
Sewer in 122d st., bet. Amsterdam ave. and Kingsbridge rd.....	.....	10,047 50
Sewer in 5th ave., west side, bet. 54th and 55th sts.....	Cunningham & Kearns.....	2,141 50
<b>Regulating, Grading and Flagging Contracts.</b>		
Regulating and grading Edgecombe ave., from 155th st. to a point on east side of Amsterdam ave. opposite 175th st. and south curb, etc.....	Warren-Scharf Asphalt Paving Co.....	\$92,125 81
Regulating, grading and setting curb in Audubon ave., from 165th to 175th sts.....	Reilly & Mahony.....	29,669 14
Regulating, grading and laying crosswalks in 163d st., from Amsterdam ave. to Edgecombe rd.....	.....	5,954 59
Regulating and grading Naegle ave., from Kingsbridge rd. to 10th ave.....	Alexander Crawford.....	30,450 20
Regulating and grading 180th st., from Amsterdam ave. to Kingsbridge rd.....	J. J. Jones.....	9,652 74
Regulating and grading 130th st., from 5th to 7th aves.....	Timothy J. McLaughlin.....	7,744 51
Regulating and grading 188th st., from Audubon to Wadsworth ave.....	Bishop & Duffy.....	7,126 80
Flagging 5th ave., east side, bet. 97th and 98th sts.....	Thomas Callanan.....	159 48
Flagging southeast cor. 124th st. and 1st ave.....	John T. Brady.....	92 00
Flagging north side of 103d st., bet. Central Park, West, and Columbus ave.....	.....	98 80
Flagging north side of 88th st., bet. Park and Madison aves.....	.....	31 10
Flagging west side of Boulevard, from 91st to 92d st.....	.....	66 00
Flagging northeast cor. 103th st. and Madison ave.....	.....	410 23
Flagging in front of No. 57 Eleventh ave.....	.....	114 20
<b>Paving, Repaving and Laying Crosswalks Contracts.</b>		
Paving 3d and 4th sts., from 2d ave. to Lewis st.....	Warren-Scharf Asphalt Paving Co.....	\$82,030 30
Paving 22d st., from Lexington to 6th ave.....	Sicilian Asphalt Paving Co.....	24,417 50
Paving 76th st., from Avenue A to 5th ave., except from 5th to Madison ave., and from 3d to Lexington ave.....	.....	29,349 50
Paving 63d st., from Avenue A to 4th ave., except from 3d to Lexington ave.....	California Asphalt Co.....	24,100 00

Document B—Detailed statement of contracts.  
Document C—Report of the Chief Engineer.  
Document D—Report of the Water Purveyor.  
Document E—Report of the Consulting Engineer.  
Document F—Report of the Engineer in Charge of Sewers.  
Document G—Report of the Superintendent of Streets.  
Document H—Report of the Superintendent of Lamps and Gas.  
Document I—Report of the Superintendent of Repairs and Supplies.  
Document K—Report of the Superintendent of Incumbrances.  
Document L—Report of the Water Register.

Very respectfully,

CHARLES H. T. COLLIS, Commissioner of Public Works.

Laying crosswalks across St. Nicholas ave. and St. Nicholas pl., north and south sides of 153d st.....	Thomas Callanan.....	\$486 46
<b>Fencing Vacant Lots Contracts.</b>		
Fencing southeast cor. 114th st. and Pleasant ave.....	Robert C. Winters.....	\$95 00
Fencing in front of Nos. 532, 534 and 536 West 44th st.....	.....	44 25
Fencing southeast cor. Riverside Drive and 78th st.....	.....	86 25
Fencing in front of Nos. 7, 9 and 11 East 109th st.....	.....	88 90
Fencing north side of 143d st., from 7th to 8th ave.....	.....	24 50
Fencing Morningside ave., East, bet. 100th and 121st sts.....	.....	96 04
Fencing southeast cor. 77th st. and 5th ave.....	.....	95 20
<b>Laying Water-mains Contracts.</b>		
Laying water-mains in 10th ave. and 29th st.....	James R. Cosgrove.....	\$28,282 50
Laying water-mains in Amsterdam, St. Nicholas, Gerard, Third, Park, Bremer, Seventh, Independence and Intervale aves., in 179th, 138th, 12d, Union, 106th, 108th, 109th, 111th, 114th, 167th, Bryant and Longfellow sts., and in Boulevard and Hall pl.....	J. S. Rogers.....	27,321 00
<b>Miscellaneous Contracts.</b>		
Furnishing cast-iron water-pipes, branch pipes and stop-cocks.....	Warren Foundry and Machine Co.....	\$7,030 00
Furnishing cast-iron water-pipes, branch pipes and stop-cocks.....	Warren Foundry and Machine Co.....	37,689 50
Furnishing cast-iron water-pipes, branch pipes and stop-cocks.....	Warren Foundry and Machine Co.....	9,506 60
Furnishing and delivering manhole heads and covers, extra manhole covers, basin covers, step irons for manholes, basin hoods and basin grate-bars.....	Sylvester N. Leary.....	2,307 50
Furnishing and delivering bricks, cement, sand, timber, sewer spur pipe, sewer-pipe and curb.....	Murtagh & McCarthy.....	1,851 05
Furnishing 7,000 gross tons of egg-size white ash anthracite coal.....	William Moquin.....	28,800 00
Furnishing and delivering ice to Department of Public Works and the public buildings and offices in care of said Department for year 1897.....	William Scott.....	1,951 00
Furnishing and delivering to Department of Public Works about 1,000 cubic yards broken stone of trap-rock, also 1,000 cubic yards screenings of trap-rock.....	De Witt C. Bouker, Jr.....	3,500 00
Furnishing and delivering to Department of Public Works about 2,500 cubic yards of gravel, also about 2,500 cubic yards gravel screenings.....	J. Frank Quinn.....	9,850 00
Furnishing material and building a Keeper's house at Muscovet Reservoir and at Middle Branch Reservoir.....	John McQuade.....	11,500 00
Lighting the public markets, armories, buildings and offices of the City of New York for the period from Jan. 1 to Dec. 31 (inclusive), 1897.....	Consolidated Gas-light Co.....	35,000 00
Lighting the public markets, armories, buildings and offices of the City of New York for the period from Jan. 1 to Dec. 31 (inclusive), 1897.....	Equitable Gas-light Co.....	22,000 00
Lighting the public markets, armories, buildings and offices of the City of New York for the period from Jan. 1 to Dec. 31 (inclusive), 1897.....	East River Gas-light Co.....	13,000 00
Furnishing and delivering stationery and printed and lithographed forms, blank books, etc., for use of the Supreme Courts of the City and County of New York.....	L. W. Ahrens Stationery and Printing Co.....	11,675 67
Furnishing illuminating material for streets, etc., 1897.....	Central Gas-light Co.....	36,000 00
Furnishing illuminating material for streets, etc., 1897.....	Consolidated Gas-light Co.....	266,000 00
Furnishing illuminating material for streets, etc., 1897.....	Equitable Gas-light Co.....	47,000 00
Furnishing illuminating material for streets, etc., 1897.....	Northern Gas-light Co.....	82,000 00
Furnishing illuminating material for streets, etc., 1897.....	Yonkers Gas-light Co.....	20,000 00
Furnishing illuminating material for streets, etc., 1897.....	New York and New Jersey Globe Gas-light Co.....	20,000 00
Furnishing illuminating material for streets, etc., 1897.....	Standard Gas-light Co.....	29,000 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	North River Electric-light and Power Co.....	165,000 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	Manhattan Electric-light Co.....	104,000 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	Mount Morris Electric-light Co.....	68,000 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	Brush Electric Illuminating Co.....	124,000 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	Edison Electric Illuminating Co.....	57,500 00
Furnishing illuminating material (electric) for streets, etc., 1897.....	Harlem Lighting Co.....	13,000 00
Totals.....		\$1,228,161 32

## RECAPITULATION.

8 Sewer contracts.....	\$97,412 75
14 Regulating, grading and flagging contracts.....	183,695 60
5 Paving, repaving and laying crosswalks contracts.....	160,376 76
7 Fencing vacant lots contracts.....	529 89
2 Laying water-mains contracts.....	55,803 50
27 Miscellaneous contracts.....	1,228,161 32
63 Contracts.....	Total.....\$1,725,979 82



## Contracts Completed.

NATURE OF WORK.	LOCATION OF WORK.	AMOUNT.
<i>Sewer and Receiving-basin Contracts.</i>		
Sewer.....	22d st., bet. 2d and 3d aves. (alteration and improvement).....	\$5,198 60
"	183d st., bet. Kingsbridge rd. and 11th ave.....	6,389 71
"	Morris st., bet. Greenwich st. and Broadway, etc. (alteration and improvement).....	3,675 00
"	163d st., bet. Amsterdam ave. and Edgecombe rd.....	2,673 24
"	4th ave., bet. 31st and 32d sts.....	1,442 43
		\$19,378 98
<i>Paving, Repaving and Laying Crosswalks Contracts.</i>		
Paving.....	149th st., from Convent to Amsterdam ave.....	\$3,596 00
"	125th st., from Madison ave. to Harlem river, bet. outer railroad tracks.....	18,334 97
"	46th st., from 1st to 4th ave.....	23,698 78
"	Chrystie st., from Grand to Houston st.....	20,774 53
"	Madison ave., from 125th st. to Harlem River Bridge.....	31,024 37
"	30th st., from 10th to 11th ave. (not land grant).....	4,600 68
"	Barrow st., from West to West 4th st.....	32,995 25
"	117th st., from Lenox to St. Nicholas ave.....	8,423 02
"	150th st., from Boulevard to Amsterdam ave.....	6,558 65
"	11th ave., from 20th to 27th st.....	25,965 14
"	113th st., bet. Amsterdam and Morningside aves.....	5,764 99
"	114th st., bet. Amsterdam and Morningside aves.....	5,124 62
"	Park ave. (west side), from 97th to 101st st.....	9,914 91
"	30th st., from 10th to 11th ave. (land grant).....	3,451 88
Crosswalks.....	Across West Broadway, northeast cor. Walker and northwest cor. Beach st.....	195 88
"	Across 67th and 68th st., east side of Columbus ave.....	200 60
"	Across Columbus ave., north side of 123d st.....	164 56
		\$200,898 03
<i>Fencing Vacant Lots Contracts.</i>		
Fencing.....	Nos. 532, 534 and 536 West 44th st.....	\$33 84
"	Southeast cor. 114th st. and Pleasant ave.....	82 63
"	Southeast cor. Riverside drive and 78th st.....	76 50
		\$192 97
<i>Laying Water-mains Contract.</i>		
Laying water-mains.....	218th st. and Jerome ave.....	\$85,933 66
<i>Miscellaneous Contracts.</i>		
Furnishing sand.....		\$7,800 00
Furnishing Boulevard lamps and globes.....		3,124 80
Furnishing bricks, cement, sand, etc.....		1,688 63
Furnishing street lamps.....		2,004 00
For mason and carpenter work, etc., Criminal Court-house.....		15,369 00
Furnishing ice (1896).....		1,678 77
		\$31,665 20

## RECAPITULATION.

RECAPITULATION.		
5	Sewer contracts.....	\$19,378 98
17	Paving, repaving and flagging contracts.....	200,898 03
3	Fencing contracts.....	192 97
1	Water-mains contract.....	85,933 66
6	Miscellaneous contracts.....	31,665 20
32	Contracts, Total.....	\$338,068 84

## DOCUMENT "C."—REPORT OF CHIEF ENGINEER OF CROTON AQUEDUCT.

BUREAU OF CHIEF ENGINEER OF CROTON AQUEDUCT, NEW YORK, April 2, 1897. Hon. CHARLES H. T. COLLIS, Commissioner of Public Works:

DEAR SIR—Herewith please find statement of the operations of this Bureau for the quarter ending March 31, 1897.

## SUMMARY OF EXPENDITURES FOR THE QUARTER ENDING MARCH 31, 1897.

Aqueduct—Repairs, Maintenance and Strengthening.....	\$51,964 41	Croton Water Fund.....	\$39,274 86
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,637 36	Fire Hydrant Fund.....	8,976 45
Bridge over Harlem River at Third Avenue.....	56,929 85	Laying Croton Pipes.....	7,225 57
Bridge over Spuyten Duyvil Creek.....	392 50	Repairing and Renewal of Pipes.....	44,471 44
Burnside Avenue Archways.....	949 98	Engineers—Salaries.....	624 99
Bronx River Works—Maintenance and Repairs.....	3,938 06	Water-main Fund.....	12,989 96
Bronx River Works—Maintenance and Repairs—Salaries.....	675 00	Water Supply, Twenty-fourth Ward.....	1,687 61
		Total.....	\$240,568 02

## STORAGE RESERVOIRS.

The Croton river has furnished a full supply to the Aqueduct, except twenty (20) days in January and six (6) days in February.

All of the reservoirs and lakes are full except Muscote Reservoir, which is filling slowly.

37,000,000,000 gallons of stored water on hand.

The contractor on Reservoir "A" has been building stone walls and fences and placing rip-rap on water face of the dam during the quarter.

## Rainfall.

LOCATIONS.	JAN.	FEB.	MARCH.	TOTAL FOR QUARTER.
	Inches.	Inches.	Inches.	Inches.
Boyd's Corner Reservoir.....	4.07	3.14	3.68	10.89
Middle Branch Reservoir.....	3.53	2.66	3.49	9.68
Kensico Reservoir.....	4.54	4.14	2.86	11.54
Croton Dam.....	2.90	2.66	3.03	8.59
Central Park Reservoir.....	3.05	3.78	3.44	10.27

## BRONX AND BYRAM RIVERS SUPPLY.

The regular force has been employed cleaning up and keeping in order conduit, roads and reservoirs. An average supply of 15,500,000 gallons per day has been steadily supplied through this conduit.

On January 21st the gates at Byram river were opened and the water allowed to run to the Kensico Reservoir, it being necessary for the supply of the city; this reservoir being very low, only a portion of the flow of the Byram is at present necessary, leaving a foot in depth on the spillway of the Byram Dam to flow to the lower part of the river.

The contractor for dam, tunnel, etc., from Byram river to Kensico Reservoir has been building fence walls during the quarter, and as soon as the weather will permit, the necessary cleaning up will be done and the contract be completed.

The contractor for building reservoir at Byram Pond has been quarrying stone and excavating channelway during the quarter.

The storage reservoirs are filling slowly.

## NEW AQUEDUCT.

All of the water furnished to the city has been carried through this aqueduct, the Old Aqueduct having been shut off for work at Jerome Park Reservoir and for archways at Burnside avenue.

Plans are being prepared for temporary flumes to carry the water of the Old Aqueduct at these places.

## SANITARY PROTECTION OF WATERSHEDS.

The electrozone plant has been operated at Brewsters and 204 water-tight pans maintained and cleaned weekly at Mount Kisco.

A gang of men have been employed cleaning up the lands, tearing down houses, etc., on lands taken at Mount Kisco, along Muscote river, along West Branch and Middle Branch of the Croton river.

Maps are being prepared as fast as searches of titles are made of lands to be taken along the outlet of Mud Pond, around Lakes Mahopac and Kirk, and along the Muscote river, in Putnam County, and on outlet of Rye Ponds and along Bronx, Byram and Wampus rivers, in Westchester County.

Surveys are being made on the tributaries of the Cornell Reservoir along the Titicus, Cross and Beaver Dam rivers, Westchester County, New York.

The several Commissioners appointed to appraise values of lands taken are still taking testimony.

## BRIDGE OVER HARLEM RIVER AT THIRD AVENUE.

The excavation and piling for foundations of abutment on north side of the river and for approaches on North Third avenue have been prosecuted as the weather would permit during the quarter.

## BRIDGE OVER HARLEM RIVER, BETWEEN FIRST AND WILLIS AVENUES.

The Commissioners of Appraisal for the lands necessary for the approaches to this bridge are still taking testimony.

## ARCHWAYS OVER BURNSIDE AVENUE.

The contractor for this work has commenced the excavation for same.

## LAYING LARGE MAINS.

A further appropriation, under chapter 669, Laws of 1896, having been obtained from the Board of Estimate and Apportionment, contracts have been awarded for furnishing and laying mains between Fourth and Fulton streets, being an extension of the Fifth avenue mains, and for furnishing and laying mains on West End and Eleventh avenues, between Ninety-sixth and Thirty-eighth streets, being an extension of a main from the New Aqueduct laid to Ninety-sixth street and West End avenue.

Work has been commenced at Fiftieth street and Fifth avenue and at Fourth street and South Fifth avenue.

## AQUEDUCT—REPAIRS AND MAINTENANCE.

The reservoirs on Croton river, Boyd's Corners, Middle Branch, East Branch and Titicus, and Lakes Mahopac, Kirk, Gleneida, Gilead and Barrett Pond, have been kept in order. A contract for furnishing coal for the high service pumping works at High Bridge and Ninety-eighth street has been entered into. The contractor for vaults, etc., at High Bridge, has been placing iron window frames and sash in the old engine-house.

A contractor is at work placing a 36-inch cast-iron drain from Engineer's house at High Bridge to the sewer under the driveway along the Harlem river.

The regular work of cleaning ditches, culverts, etc., along the Croton lake and aqueduct, the cleaning and keeping in order the gate-houses and pumping stations, and repairs to fences, has been carried on during the quarter. In addition to same:

On Division 3—Rebuilding retaining-wall on Guion and Pierson banks and regrading.

On Division 4—Completed the new dam.

On Division 5—Rebuilding retaining-walls at Hastings and at Tilden's bank.

On Division 7—Repainting inside of new high service works and grading around same.

## AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

## Work Done During Quarter.

DIVISIONS.	Earth Excavated, Cu. Yds.	Dry Stone Masonry, Cu. Yds.	Fence Built, Lin. Ft.	Fence Repaired, Lin. Ft.	Fence Painted, Lin. Ft.	Fence Posts Set.	Telephone Set.	Brickwork, Sq. Ft.	Hauling Stone, Cu. Ft.	Manure Spread, Loads.	Filling and Grading, Cu. Yds.
First.....	...	...	300	100	...	...	...	...	...	...	...
Second.....	27	...	...	300	...	...	...	...	...	100	...
Third.....	100	113	438	...	...	...	...	...	...	...	50
Fourth.....	...	...	125	156	...	212	...	...	...	...	50
Fifth.....	...	60	4,649	412	...	...	...	...	60	...	400
Sixth.....	...	...	1,100	800	750	175	10	60	...	...	90
Seventh.....	...	...	...	...	...	...	...	...	...	270	...
Eighth.....	...	...	...	...	...	...	...	...	...	150	...
Total.....	127	173	6,612	1,768	700	387	10	60	60	570	540

## LAYING CROTON PIPES.

Contracts for laying water-mains in the following streets and avenues have been completed during the quarter:

Amsterdam avenue, from One Hundred and Twentieth to One Hundred and Twenty-third street; One Hundred and Eighth street, from Columbus to Manhattan avenue; Crotona avenue, from Oakland place to Samuel street; Boston avenue, at intersection of Jefferson street.

Lineal Feet of Pipe Laid—12-inch, 1,432.5; 6-inch, 4,857.1—total, 6,289.6.

Stop-cocks Set—12-inch, 1; 6-inch, 11—total, 12.

One contract for furnishing pipe, one contract for furnishing and laying mains and one contract for laying mains have been signed.

Hydrants Placed—No. "1," 2; "A," 6—total, 8.

## NEW FIRE-HYDRANTS.

Two gangs of men have been employed placing new fire-hydrants.

## Work Done During the Quarter.

91 "New York" hydrants set, 1,194 lineal feet of 6-inch pipe laid, 1 20-inch stop-cock and box set, 1 10-inch stop-cock and box set, 5 6-inch stop-cocks and boxes set.

One contract for cast-iron pipe and special castings signed.

## REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.

One contract for furnishing cast-iron water-pipe and special castings has been entered into. 6 gangs of men have been employed making necessary repairs to hydrants, stop-cocks, pipes, etc., during the quarter, as follows: 107 new hydrants placed, 1,951 old hydrants repaired, 4 new stop-cocks and boxes set, 286 old stop-cocks repaired, 309 leaks in mains repaired, 262 service-pipes shut off on account of leaks in same, 151 hydrants found improperly closed.

## TAPS.

465 taps placed on mains during the quarter.

## WASTE AND USE OF WATER.

During January the average daily use from Croton river, 221,000,000 gallons; Bronx river, 16,000,000 gallons. Total average daily consumption in January, 237,000,000 gallons. During February, Croton river, 223,000,000 gallons; Bronx river, 16,000,000 gallons. Average daily consumption in February, 239,000,000 gallons. During March, Croton river, 216,000,000 gallons; Bronx river, 15,000,000 gallons. Average daily consumption in March, 231,000,000 gallons.

There having been no long-continued extreme cold weather, the waste has not been excessive to keep service-pipes from freezing.

The amount of water used and pressures obtained are now at their maximum until more large mains are laid from the reservoirs to the lower portions of the city.

Respectfully, G. W. BIRDSALL, Chief Engineer of Croton Aqueduct.

## DOCUMENT "D."—REPORT OF WATER PURVEYOR.

WATER PURVEYOR'S OFFICE, NEW YORK, April 7, 1897. Gen. CHAS. H. T. COLLIS, Commissioner of Public Works:

DEAR SIR—The following is a statement of the transactions of the Bureau of Water Purveyor for the quarter ending March 31, 1897:

## RECEIPTS.

For construction of vaults.....	\$45,143 87
For work and materials.....	231 27

Total..... \$45,375 14

The foregoing amounts have been deposited with the City Chamberlain.

## EXPENDITURES.

Repairs and Renewal of Pavements and Regrading, 1895.....	\$5,893 07	Salary of Consulting Engineer on Pavements and Paving Work, etc.....	\$1,249 98
Repairs and Renewal of Pavements and Regrading, 1896.....	13,982 47	Street Improvement Fund (chapter 449).....	602 33
Repairs and Renewal of Pavements and Regrading, 1897.....	66,103 44	Street Improvement Fund (chapter 449).....	52,192 87
Repairs and Renewal of Pavements and Regrading—Salaries, 1897.....	6,217 63	Restoring and Repaving—Special Fund—Department of Public Works.....	8,339 05
Repaving Streets and Avenues, 1895.....	4,035 75	One Hundred and Fifty-fifth Street Viaduct—Maintenance and Repairs, 1896.....	277 00
Repaving Streets and Avenues, 1896.....	9,655 93	One Hundred and Fifty-fifth Street Viaduct—Maintenance and Repairs, 1897.....	667 17
Repaving Streets and Avenues—Salaries, 1897.....	2,374 93	Contingencies—Department of Public Works.....	158 44
Repaving (chapter 346, Laws of 1889), 1889.....	1,854 36	Salaries—Department of Public Works, 1896.....	10 00
Repaving (chapter 346, Laws of 1889), 1890.....	13,293 36	Salaries—Department of Public Works, 1897.....	5 00
Repaving (chapter 475, Laws of 1895), 1895.....	1,485 26	Fire-hydrant Fund, 1896.....	15 00
Repaving (chapter 475, Laws of 1895), 1896.....	39,177 00	Fire-hydrant Fund, 1897.....	1,591 61
Repaving (chapter 475, Laws of 1895), 1897.....	5,980 51		
Repairs of Eighth Avenue Pavement, 1896.....	4,800 00	Total.....	\$239,332 21

## PERMITS ISSUED.

58 for construction of vaults, 60 for repairs to vaults, 22 for placing guy-posts, 93 for placing boilers and engines on streets for building purposes, 280 for building fires under kettles, 16 for repairs to pavement at expense of applicant.

## REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The force employed on repairs to street pavements averaged as follows: In January, 173 mechanics, 227 laborers, 71 carts, 4 teams; in February, 177 mechanics, 216 laborers, 72 carts, 4 teams; in March, 183 mechanics, 221 laborers, 73 carts, 4 teams.

The work accomplished by this force consisted of taking up and relaying 47,119 square yards of stone pavements, besides examining into a large number of complaints received by the Department from the Police, private associations and citizens. In addition to this, under orders issued to the various asphalt companies by the Commissioner of Public Works, 2,612.37 square yards of asphalt pavement were repaired where burnt out by bonfires or otherwise damaged, for which the contractor was not responsible.

## NEW PAVEMENTS.

Contracts for the construction of new pavements were completed in the following-named streets:



STREET IMPROVEMENT FUND.  
With Asphalt.

STREET.	FROM.	SQUARE YARDS.	LINEAL FEET.
Triangle west side of Boulevard.....	70th to 71st st.....	390.53	.....
117th st.....	Lenox to St. Nicholas ave.....	3,178.50	955
Total.....		3,578.03	955

Length in miles, .20.

## With Asphalt Blocks.

STREET.	FROM.	SQUARE YARDS.	LINEAL FEET.
Park ave., west side.....	97th to 101st st.....	3,147.60	1,053.30
113th st.....	Amsterdam to Morningside ave.....	1,810.83	550
114th st.....	Amsterdam to Morningside ave.....	2,019.14	618
Total.....		6,977.57	2,221.30

Length in miles, .42.

STREET IMPROVEMENT FUND (CHAPTER 449).  
With Asphalt.

STREET.	FROM.	SQUARE YARDS.	LINEAL FEET.
30th st.....	10th to 11th ave.....	1,382.0	415
11th ave.....	20th to 27th st.....	12,532.80	1,836
Total.....		13,914.80	2,251

Length in miles, .43.

In addition to the above work, new crosswalks were laid at the following locations, the cost of the work being assessed against the property-owners: Across Jay street, on the west side of Staple street; across West Broadway, from northeast corner of Walker street to northwest corner of Beach street; across Sixty-seventh and Sixty-eighth streets, on the east side of Columbus avenue.

## RECAPITULATION.

	ASPHALT.		ASPHALT BLOCKS.		TOTAL.	
	Square Yards.	Miles.	Square Yards.	Miles.	Square Yards.	Miles.
Street Improvement Fund.....	3,578.03	.20	6,977.57	.42	10,555.60	.62
Street Improvement Fund, chapter 449.....	13,914.80	.43	.....	.....	13,914.80	.43

Table of areas and mileage of pavement in New York City, below the Harlem river, March 31, 1897:

KIND OF PAVEMENT.	SQUARE YARDS.	MILES.
Specification granite.....	3,666,825.08	165.75
Square granite.....	529,550.86	16.67
Specification trap.....	1,006,015.57	52.71
Belgian trap.....	1,316,687.63	45.49
Cobble.....	1,208.83	.10
Sheet asphalt.....	1,725,618.86	92.03
Block asphalt.....	31,684.42	1.75
Karri wood.....	1,013.10	.08
Macadam.....	973,090.80	18.94
Total.....	9,251,696.07	393.52

Appended is the report of the General Inspector of Street Openings.

Respectfully, CHARLES W. BARNEY, Water Purveyor.

WATER PURVEYOR'S OFFICE, OFFICE OF GENERAL INSPECTOR, NEW YORK, April 6, 1897.

CHARLES W. BARNEY, Esq., Water Purveyor:

DEAR SIR—I beg to report the following summary of work done in the office of the General Inspector of Street Openings for the quarter ending March 31, 1897:

Openings to repair all mains, other than Croton water mains, and make repairs, connections for gas, water, sewer and electric-light, 4,419.

Notices sent from this office to corporations and others to repair pavement over their openings, 2,784.

Bad places in pavement repaired in compliance with the above notices, 2,372.

Additional moneys collected through the report of Inspectors of Plumbers' Openings made in excess of permit, \$2,176.85.

Openings made under emergency permits—Consolidated Gas-light Company, 384; Edison Electric Illuminating Company, 127; Standard Gas-light Company, 43; New York Mutual Gas-light Company, 42; Equitable Gas-light Company, 11—total, 607.

Total feet of gas-main laid, 541.

Total feet of fire-alarm subsidiary laid, 197.

Total feet of subway and other electrical appliances laid, 2,924.

Total feet of track laid by the New York Central and Hudson River Railroad, 250.

Number of openings in pavement examined by Inspectors as to the condition of pavement, 15,417.

Number of feet of salt-water pipe laid, 1,219.

Respectfully, MINER B. MARTIN, General Inspector.

## DOCUMENT "E."—REPORT OF CONSULTING ENGINEER.

OFFICE OF CONSULTING ENGINEER, BUREAU OF WATER PURVEYOR, NEW YORK, April 5, 1897. Gen. CHAS. H. T. COLLIS, Commissioner of Public Works:

SIR—In accordance with your instructions, I have the honor to submit my report of the transactions of this office for the quarter ending March 31, 1897.

Respectfully, EDWARD P. NORTH, Consulting Engineer.

## Statement of Work Done During Quarter ending March 31, 1897.

Earth excavated.....	1,624 cu. yds.	Flagging laid.....	19,958 sq. ft.
Rock excavated.....	5,417 "	Fence built.....	429 lin. ft.
Filling furnished.....	4,900 "	Bridge-stone.....	1,735 sq. yds.
Curb-stones set.....	3,458 lin. ft.	Pavement.....	24 "

## Amount of Vouchers Drawn.

Street Improvement Fund.....	\$10,433 12
Street Improvements—For Surveying, Monumenting, etc.....	320 00
Contingencies—Department of Public Works.....	2 80
Street Improvements—For Surveying, etc., 1896.....	314 00
Total.....	\$11,069 92

## Appropriations.

Street Improvements—For Surveying, Monumenting, etc.....	\$4,000 00	Balance.....	\$2,510 00
Amount of vouchers drawn during quarter.....	\$320 00	Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$4,000 00
Outstanding liabilities (estimated).....	1,170 00	No vouchers drawn during quarter.	2,000 00

## Works Completed During Quarter.

Regulating, Grading, Curbing and Flagging—182d st., from Amsterdam ave. to Kings-bridge road.....	\$9,406 69	Nos. 532, 534 and 536 West 44th st. Southeast cor. Riverside Drive and 78th st.....	\$52 36
Fencing Vacant Lots—Southeast cor. 114th st. and Pleasant ave.....	\$107 59	Total.....	\$9,677 47

## RECAPITULATION.

1 contract for Regulating, Grading, etc.....	\$9,406 69
3 contracts for Fencing Vacant Lots.....	270 78
4 contracts.....	
Total.....	\$9,677 47

## DOCUMENT "G."—REPORT OF SUPERINTENDENT OF STREETS.

BUREAU OF STREETS AND ROADS, NEW YORK, April 9, 1897. Gen. C. H. T. COLLIS, Commissioner of Public Works:

SIR—In accordance with your letter of direction dated March 30, 1897, I beg to submit for your consideration the following statement showing the financial condition of this Bureau, together with a report, in detail, of its operations which gives an accounting of the work done and the materials used to maintain the various avenues, streets and roads paved with macadam and gravel, and those regulated and graded but unpaved in charge of the Bureau during the quarter ending March 31, 1897.

A résumé of the work during this quarter may be given as follows: The general operations of the Bureau consist of the repairing and cleaning of about 22 miles of macadam roadway and the regulating and grading, repairing and cleaning of about 40 miles of roadway and gutters on the unpaved streets. As may be seen by an examination of the subjoined report, a great amount of work has been accomplished; but there is, in addition to this, much work done involving a considerable expenditure of money which cannot well be tabulated. This refers to the sprinkling and scraping of the macadam roadways and to the filling-in and repairing of washouts on the unpaved streets, for which purpose large quantities of stone and earth have been used. Most of this material has been obtained free of cost to the City. In consideration of the torn-up condition of Kingsbridge road and Boulevard Lafayette, special attention has been paid to the Fort Washington road. It is now in excellent condition and is, without doubt, the most pleasant carriageway in the city. On the Western Boulevard the work of improving the centre parkways, which was begun last year, is being rapidly pushed. The contract for this improvement has been let, and before the end of this year all the plots from Fifty-ninth street to Manhattan avenue will be finished. The work of further beautifying these plots by the planting of shrubbery and placing of several fountains is at present in progress. The trees along the Boulevard have been carefully pruned and new ones planted in all the vacant spaces.

The work in the repair shops has been advanced with as much expedition as possible. This work consists principally of the building, repairing and painting of sprinkling wagons, road rollers, road scrapers, hand-carts, etc., and the sharpening of picks, tools, etc. There is a large amount of work of a minor character done at the forges and in the carpenter and paint shops.

On the bridge over the Harlem Ship Canal extensive improvements and repairs have been made, and the service rendered by the bridge is now most efficient and satisfactory.

Very respectfully, WARREN B. TRAVELL, Acting Superintendent of Streets.

The following is a statement of the work done and materials used on Boulevards, Roads and Avenues, Maintenance of, during the quarter ending March 31, 1897:

Roadway cleared.....	293 miles.	Stone hauled.....	27 truck-loads.
Gutters cleaned.....	518 "	Paving-stones hauled.....	4 "
Crosswalks cleaned.....	99 "	Sand hauled.....	14 "
Sidewalks cleaned of snow.....	2815 "	Gravel screenings hauled.....	4 "
Gutters cleaned of snow.....	2234 "	Fertilizer hauled.....	600 "
Roadway regulated and graded.....	37,991 sq. yds.	Dead trees cut down and removed.....	13
Gutters regulated and graded.....	61,197 "	Trees pruned.....	1,073
Gutters repaired.....	842 "	American elm trees planted on Boulevard.....	510
Flagging relaid.....	900 sq. ft.	Parkways of Western Boulevard cleaned.....	8 plots.
Crosswalks made of ashes.....	1,557 "	Iron tree-guards placed on Western Boulevard.....	110
Macadam roadway repaired.....	2,547 sq. yds.	In doing the above-mentioned work there were used of—	
Gravel roadway repaired.....	5,823 "	Earth.....	187 truck-loads.
Snow spread on roadway.....	1014 miles.	Steam ashes.....	25 "
Sidewalk relaid.....	16 sq. ft.	Broken stone.....	70 "
Broken stone hauled.....	70 truck-loads.	Stone screenings.....	55 "
Telford hauled.....	18 "	Refuse, snow and ice removed.....	2,486 "
Earth hauled.....	200 "		
Asbes hauled.....	262 "		
Stone screenings hauled.....	542 "		
Manure hauled.....	110 "		
Gneiss hauled.....	209 "		

The crosswalks were kept clean and roadway sufficiently sprinkled.

The following is a statement of the work done and materials used on Roads, Streets and Avenues, Unpaved, Maintenance of, during the quarter ending March 31, 1897:

Gutters repaired.....	1,300 sq. yds.	Stone culvert built.....	180 lin. ft.
Roadway regulated and graded.....	40,600 "	Telford hauled.....	647 truck-loads.
Roadway cleaned.....	10 miles.	Washouts repaired.....	56
Gutters cleaned.....	20 "	Flagging relaid.....	158 sq. ft.
Stone spread on roadway.....	22 "	Sidewalk cleaned of snow.....	24 miles.
Gutters regulated and graded.....	1,468 sq. yds.	Refuse removed.....	475 truck-loads.
Bridge-stone hauled.....	18 sq. ft.	In doing the above-mentioned work there were used of—	
Roadway covered with gravel screenings.....	246 sq. yds.	Telford.....	647 truck-loads.
Curb reset.....	62 lin. ft.	Earth.....	853 "
Asbes hauled.....	41 truck-loads.	Sand.....	18 "
Earth hauled.....	863 "		

The following is a statement of the various appropriations under charge of the Bureau of Streets and Roads:

Boulevards, Roads and Avenues—Maintenance of, 1896.....	\$110,000 00	Pay-roll, Laborers, etc., week ending Feb. 13, 1897.....	\$1,583 75
Amount transmitted during the year 1896.....	105,780 75	Pay-roll, Laborers, etc., week ending Feb. 20, 1897.....	1,782 13
Balance, Jan. 1, 1897.....	\$4,219 25	Pay-roll, Laborers, etc., week ending Feb. 27, 1897.....	1,778 37
Amount transmitted during the first quarter of 1897 from the appropriation of 1896.....	3,471 75	Pay-roll, Laborers, etc., week ending Mar. 6, 1897.....	2,075 29
Balance, Apr. 1, 1897.....	\$747 50	Pay-roll, Laborers, etc., week ending Mar. 13, 1897.....	2,260 37
Amount appropriated for the year 1897.....	\$130,000 00	Pay-roll, Laborers, etc., week ending Mar. 20, 1897.....	2,316 69
Amount transmitted during the first quarter ending Mar. 31, 1897, is as follows:		Pay-roll, Laborers, etc., week ending Mar. 27, 1897.....	2,327 12
Pay-roll, Laborers, etc., week ending Jan. 2, 1897.....	223 00	Lease of ground.....	1,200 00
Pay-roll, Laborers, etc., week ending Jan. 9, 1897.....	874 81	Cow manure.....	90 00
Pay-roll, Laborers, etc., week ending Jan. 16, 1897.....	1,945 37	Hardware.....	8 26
Pay-roll, Laborers, etc., week ending Jan. 23, 1897.....	1,860 50	Ground bone.....	28 50
Pay-roll, Laborers, etc., week ending Jan. 30, 1897.....	1,675 62	Brushes.....	7 15
Pay-roll, Laborers, etc., week ending Feb. 6, 1897.....	1,630 12	Trees.....	150 00
		Badges.....	6 30
		Lawn tennis markers.....	12 00
		Pressure regulator.....	39 60
		Balance, Apr. 1, 1897.....	\$23,934 95
			\$106,065 05

The following is a statement of the various appropriations under charge of the Bureau of Streets and Roads:

Roads, Streets and Avenues, Unpaved—Maintenance of and Sprinkling, 1896.....	\$35,000 00	Pay-roll, Laborers, etc., week ending Jan. 30, 1897.....	\$172 00
Amount transmitted during the year 1896.....	33,191 71	Pay-roll, Laborers, etc., week ending Feb. 6, 1897.....	178 50
Balance, Jan. 1, 1897.....	\$1,808 29	Pay-roll, Laborers, etc., week ending Feb. 13, 1897.....	199 00
Amount transmitted during the first quarter of 1897 from the appropriation of 1896.....	1,286 75	Pay-roll, Laborers, etc., week ending Feb. 20, 1897.....	220 00
Balance, Apr. 1, 1897.....	\$521 54	Pay-roll, Laborers, etc., week ending Feb. 27, 1897.....	223 00
Amount appropriated for the year 1897.....	\$35,000 00	Pay-roll, Laborers, etc., week ending Mar. 6, 1897.....	262 00
Amount transmitted during the first quarter ending Mar. 31, 1897, is as follows:		Pay-roll, Laborers, etc., week ending Mar. 13, 1897.....	295 00
Pay-roll, Laborers, etc., week ending Jan. 2, 1897.....	436 74	Pay-roll, Laborers, etc., week ending Mar. 20, 1897.....	285 00
Pay-roll, Laborers, etc., week ending Jan. 9, 1897.....	1,278 25	Pay-roll, Laborers, etc., week ending Mar. 27, 1897.....	277 00
Pay-roll, Laborers, etc., week ending Jan. 16, 1897.....	215 75	Balance, Apr. 1, 1897.....	\$4,268 74
Pay-roll, Laborers, etc., week ending Jan. 23, 1897.....	226 50		\$30,731 26

The following is a statement of the various appropriations under charge of the Bureau of Streets and Roads:

Bridge over Harlem Ship Canal—Maintenance of, 1896.....	\$7,500 00	Pay-roll, Laborers, week ending Feb. 13, 1897.....	\$84 00
Amount transmitted during the year 1896.....	7,169 78	Pay-roll, Laborers, week ending Feb. 20, 1897.....	84 00
Balance, Jan. 1, 1897.....	\$330 22	Pay-roll, Laborers, week ending Feb. 27, 1897.....	84 00
Amount transmitted during the first quarter of 1897 from the appropriation of 1896.....	254 75	Pay-roll, Enginemen, month ending Feb. 28, 1897.....	266 79
Balance, Apr. 1, 1897.....	\$75 47	Pay-roll, Laborers, week ending Mar. 6, 1897.....	84 00
Amount appropriated for the year 1897.....	10,000 00	Pay-roll, Laborers, week ending Mar. 13, 1897.....	84 00
Amount transmitted during the first quarter ending Mar. 31, 1897, is as follows:		Pay-roll, Laborers, week ending Mar. 20, 1897.....	84 00
Pay-roll, Laborers and Enginemen, week ending Jan. 2, 1897.....	23 00	Pay-roll, Laborers, week ending Mar. 27, 1897.....	84 00
Pay-roll, Laborers and Enginemen, week ending Jan. 9, 1897.....	80 50	Pay-roll, Enginemen, month ending Mar. 31, 1897.....	270 00
Pay-roll, Laborers and Enginemen, week ending Jan. 16, 1897.....	75 62	Repairs to bridge.....	176 41
Pay-roll, Laborers and Enginemen, week ending Jan. 23, 1897.....	80 50	Rubber hose.....	19 50
Pay-roll, Laborers and Enginemen, week ending Jan. 30, 1897.....	81 50	Electric-work.....	168 70
Pay-roll, Laborers and Enginemen, month ending Jan. 31, 1897.....	243 87	Balance, Apr. 1, 1897.....	\$7,841 61
Pay-roll, Laborers, week ending Feb. 6, 1897.....	84 00		



The following is a statement of the various appropriations under charge of the Bureau of Streets and Roads:

Boulevards, Roads and Avenues—Maintenance of—Salaries, 1897.....	\$2,500 00	Pay-roll, Inspector.....	\$45 50
Amount transmitted during the first quarter ending Mar. 31, 1897.....	624 99	The following amount has been drawn against Restoring and Repaving—Special Fund.....	\$968 42
Balance Apr. 1, 1897.....	\$1,875 01	The following amount has been received during the quarter ending Mar. 31, 1897, for use of road roller and deposited to the credit of the General Fund.....	388 50
The following amount has been transmitted during the quarter ending Mar. 31, 1896, and charged to Street Improvement Fund:			
Surveyor's fees, crosswalks.....	29 78		
Final payment.....	893 14		33 00

## DOCUMENT "F."—REPORT OF ENGINEER IN CHARGE OF SEWERS.

OFFICE OF ENGINEER IN CHARGE OF SEWERS, NEW YORK, April 5, 1897. Hon. CHARLES H. T. COLLIS, Commissioner of Public Works:

DEAR SIR—In compliance with your instructions, I hand you herewith my report of the transactions of the office of the Engineer in Charge of Sewers for the quarter ending March 31, 1897.

2,325 linear feet of new sewers and 7 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,495,235 linear feet (472.58 miles), with 5,622 receiving-basins.

In the schedule accompanying this report you will find a detailed statement showing the status of the several contracts under charge of this office.

Five sewer contracts have been completed, viz.:

Sewer in One Hundred and Forty-ninth street, between Hudson river and Boulevard; sewer in One Hundred and Sixty-third street, between Amsterdam avenue and Edgecombe road; sewer in One Hundred and Eighty-third street, between Kingsbridge road and Eleventh avenue, etc., sewer in Fourth avenue, between Thirty-first and Thirty-second streets; alteration and improvement to sewer in Morris street, between Greenwich street and Broadway.

There are now in progress 25 contracts for sewers.

1,884 receiving-basins and 100,753 linear feet of sewer have been cleaned.

Yours respectfully, HORACE LOOMIS, Engineer in Charge of Sewers.

Report of the Transactions of the Office of the Engineer in Charge of Sewers for the Quarter ending March 31, 1897.

APPROPRIATIONS.	AMOUNT.	AMOUNT.
Credit to General Fund—Amount received for 151 permits for sewer connections.....		\$6,463 64
Engineer's Fees—Amount of Engineer's fees assessed on property benefited and charged to Street Improvement Fund.....		1,831 04
Sewers—Repairing and Cleaning—Appropriations for the year 1897.....		125,000 00
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Laborers, etc.....	\$11,346 87	
Cleaning.....	15,068 62	
Sundries.....	607 22	
Balance, Mar. 31, 1897.....	97,977 29	
Sewers—Repairing and Cleaning, for 1896—Balance on hand Dec. 31, 1896.....		125,000 00
Vouchers transmitted to the Commissioner of Public Works—		
Sundries.....	\$2,591 79	
Balance, Mar. 31, 1897.....	485 76	
Sewers—Repairing and Cleaning—Salaries—Appropriation for the year 1897.....		3,077 55
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Inspectors, etc.....	\$2,429 98	
Balance, Mar. 31, 1897.....	7,570 02	
Sewerage System—Salaries—Appropriation for the year 1897.....		10,000 00
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Engineer, etc.....	\$1,944 99	
Balance, Mar. 31, 1897.....	6,455 01	
Boring Examinations for Grading, etc.—Appropriation for the year 1897.....		8,400 00
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Assistant Foreman, etc.....	\$888 00	
Balance, Mar. 31, 1897.....	4,112 00	
Restoring and Repaving—Special Fund—Amount received for permits for street openings. Street Improvement Fund—Vouchers transmitted to the Commissioner of Public Works—		5,000 00
Pay-roll of Engineers, etc.....	\$4,927 41	
Inspectors, etc.....	7,687 80	
Contracts, etc.....	64,286 89	
		76,901 30

## Work Done by Mechanics and Laborers.

1884 receiving-basins and culverts cleaned, 20,146 linear feet of sewer cleaned, 12,095 linear feet of sewer relieved, 280,609 linear feet of sewer examined, 33 linear feet of pipe sewer laid, 138 linear feet of pipe culvert laid, 9 linear feet of spur pipe laid, 4 new manholes built, 19 manhole heads reset, 1 basin head reset, 31 new manhole heads and covers put on, 1 new basin head and cover put on, 17 new basin covers put on, 72 new manhole covers put on, 8 new basin hoods put in, 16 new basin grates put in, 3,832 cubic feet of brickwork built, 59 square feet of flagging relaid, 455 square yards of pavement relaid, 2,880 cubic feet of earth excavated and refilled, 20 cart-loads of earth filling, 239 cart-loads of dirt removed.

Statement Showing the Amount of Work Done on Uncompleted Contracts for the Quarter ending March 31, 1897.

DATE.	NATURE AND LOCATION OF WORK.	ESTIMATED COST.	ESTIMATED AMOUNT OF WORK DONE.	DAYS.			REMARKS.
				Allowed.	Consumed.	Remaining.	
1896.							
May 7	Sewer in 54th st., bet. 11th and 12th aves., connecting with sewer built by the Department of Docks; in 12th ave., east side, bet. 54th and 55th sts.....	\$14,255 00	\$11,942 00	200	220	..	
June 27	Alteration and improvement to sewer in 66th st., bet. Amsterdam ave. and Central Park West.....	9,840 50	8,621 50	130	190	..	
Sept. 28	Sewers in 5th ave., bet. Waverly pl. and 31st st., and alteration and improvement to basins at 14th, 17th and 19th sts.; bet. 31st and 34th sts., and 35th and 39th sts., with alteration and improvement to sewers in 35th and 36th sts., bet. 39th and 42d sts., and 47th and 50th sts.....	68,307 00	34,923 75	150	400	..	
Oct. 9	Alteration and improvement to sewer in 59th st., bet. 11th ave. and North river, with curves in 12th ave. and new outlet under Pier.....	12,201 00	12,000 00	150	115	..	
" 23	Alteration and improvement to sewers in 24th st., bet. 6th and 11th aves.; in 11th ave., bet. 20th and 22d sts., and in 21st and 22d sts., bet. 10th and 11th aves.....	36,914 75	8,690 00	250	130	120	
Nov. 12	Alteration and improvement to sewer in 47th st., bet. 8th ave. and Broadway.....	4,641 80	4,500 00	60	90	..	
1897.							
Feb. 16	Sewer in East st., bet. Water and Rivington sts., with outlets at Grand and Rivington sts., and in Tompkins st., bet. Broome and Grand sts., and alteration to sewers in Grand and Cherry sts., in Broome st., bet. East and Lewis sts., and in Delancey st., bet. East and Pitt sts., etc.....	64,032 25		500	10	..	Just commenced.
1895.							
Dec. 19	Sewer in Boulevard Lafayette, bet. 158th st. and summit north.....	18,735 00	15,155 00	400	325	74	
" 19	Sewers in Naegle and 11th aves., bet. Academy and 190th sts., with curves for connecting sewers in 185th st., bet. Kingsbridge rd. and Audubon ave., and in 11th ave., bet. 185th and 186th sts.....	36,505 00	27,955 00	500	331	169	
Mar. 13	Sewer in 185th st., bet. Kingsbridge rd. and Audubon ave., and in 11th ave., bet. 185th and 186th sts.....	14,452 50	11,540 00	350	275	75	
May 9	Sewer in 188th st., bet. Boulevard Lafayette and 11th ave., and in 11th ave., west side, bet. 188th and 165th sts.....	19,085 00	11,164 00	350	262	88	
Feb. 19	Outlet sewer in 145th st., bet. Harlem river and 8th ave., with branch in 7th ave., east side, bet. 141st and 145th sts., and alteration and improvement to sewer in 8th ave., bet. 143d and 145th sts., and to connections in Lenox ave., 143d, 144th and 145th sts.....	71,612 50	50,400 00	600	305	295	
June 20	Sewer in 114th st., bet. Riverside and Amsterdam aves.....	18,240 00	13,600 00	400	217	183	
Aug. 8	Sewer in 135th and 137th sts., bet. Convent ave. and St. Nicholas terrace, and in St. Nicholas terrace, bet. 135th and 137th sts.....	9,075 02	7,680 00	200	115	85	
" 8	Sewer in Audubon ave., bet. 166th and 169th sts., and in 168th st., bet. Audubon ave. and Kingsbridge rd.....	8,635 01	5,340 00	180	160	20	
Sept. 16	Sewer in Audubon ave., bet. 172d and 175th sts., and in 173d st., bet. Amsterdam and 11th aves.....	10,199 50	7,160 00	200	130	70	

Sept. 18	Sewer in 190th st., bet. Amsterdam and 11th aves.....	\$7,792 00	\$6,690 00	150	117	33	
Dec. 1	Sewer in Naegle ave., bet. Dyckman st. and Kingsbridge rd.....	4,802 55	900 00	75	40	35	
Feb. 27	Sewer in 7th ave., west side, bet. 146th and 147th sts.....	3,436 25		75	7	68	Just commenced.
" 24	Sewer in 139th st., bet. Lenox and 7th aves.....	3,018 00		75	7	68	"
" 24	Sewer in 148th st., bet. Hudson river and Boulevard.....	3,028 50		75	7	68	"
Dec. 12	Alteration, etc., to sewer in Pearl st., bet. Burling Slip and Fulton st.....	2,381 00		50	3	47	"
" 11	Alteration to sewer in Wall st., bet. Pearl and William sts., with new connection at Pearl st.....	4,181 00		65	3	62	"

## DOCUMENT "H."—REPORT OF SUPERINTENDENT OF LAMPS AND GAS.

BUREAU OF LAMPS AND GAS, NEW YORK, April 7, 1897. Hon. CHARLES H. T. COLLIS, Commissioner of Public Works:

SIR—Herein I submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending March 31, 1897.

In Exhibit "A" will be found a statement showing the amounts expended for gas to the various public markets, offices, armories, etc., and for fitting-up, lighting and maintenance of the public lamps.

Exhibit "B" is a summary of the appropriation for "Lamps and Gas and Electric Lighting," showing the expenditure during the quarter of one hundred and ninety-six thousand five hundred and forty-nine dollars and sixteen cents (\$196,549.16), with liabilities amounting to eighty-nine thousand eight hundred and eighty-five dollars and fifty-six cents (\$89,885.56), leaving an available balance of nine hundred and thirty-six thousand three hundred and ninety-six dollars and twenty-eight cents (\$936,396.28).

Exhibit "C" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—Salaries," showing an expenditure during the quarter of one thousand six hundred and twenty-four dollars and ninety-five cents (\$1,624.95), leaving an available balance of six thousand seventy-five dollars and five cents (\$6,075.05).

Exhibit "D" 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, a total of 48 new gas-lamps, 6 new electric-lamps and 13 naphtha-lamps having been fitted up and lighted, 14 gas-lamps relighted, 83 gas-lamps discontinued, of which 17 gas-lamps were discontinued, on account of electric-lights; also 3 electric-lamps and 1 naphtha-lamp were discontinued. The total number of lamps lighted at the close of the quarter was 30,194, of which 25,523 were gas-lamps, 3,531 electric-lights and 1,140 naphtha-lamps.

Exhibit "E" is a statement showing the lowest, highest and average illuminating power of the gases supplied to the city by the several gas companies within reach of our Photometric Stations.

The following statement shows the average amounts of impurities found in the gases of the several gas companies, as determined by the analyses made by E. G. Love, Ph. D., the Gas Examiner, at the Laboratories of this Department.

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)
Consolidated Gas Company—			* New York Mutual Gas-light Company.....	7.60	0.36
* Branch 1.....	7.14	0.18	Equitable Gas-light Company.....	9.17	0.40
Branch 2.....	16.06	0.64	Standard Gas-light Company.....	6.16	0.54
Branch 3.....	10.16	0.10	East River Gas Company.....	10.18	0.46
Branch 4.....	16.34	1.72			
* Branch 6.....	8.04	0.28			

\* Trace.

The following shows the specific gravity of the gases: Consolidated Gas Co.—Branch 1, .648; Branch 2, .538; Branch 3, .672; Branch 4, .514; Branch 6, .617; New York Mutual Gas Co., .698; Equitable Gas Co., .672; Standard Gas Co., .652; East River Gas Co., .652.

The following statement shows the average maximum and minimum pressure of the mains of such companies as connect with our Photometric Stations, as recorded on the pressure register during the quarter, the average being made for the time during which the public lamps are required to be kept lighted:

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
	Inches.	Inches.		Miles.
Consolidated Gas Company—			Corner Bowery and Grand st....	1.88
Branch 1.....	2.03	1.82	" " " " " " " " " " " "	1.88
Branch 2.....	3.16	1.76	" " " " " " " " " " " "	1.88
Branch 3.....	4.71	2.37	79th st., between 2d and 3d aves.	3.38
Branch 4.....	2.44	1.76	" " " " " " " " " " " "	3.38
Branch 6.....	2.34	1.63	Corner Bowery and Grand st....	1.88
New York Mutual Gas-light Co.....	2.34	2.07	" " " " " " " " " " " "	1.88
Equitable Gas-light Company.....	3.80	2.00	79th st., between 2d and 3d aves.	2.78
Standard Gas-light Company.....	1.75	1.69	" " " " " " " " " " " "	1.88
East River Gas Company.....	2.50	1.70	" " " " " " " " " " " "	1.88

Yours respectfully, S. McCORMICK, Superintendent Lamps and Gas.

EXHIBIT "A."—Statement Showing the Amount on Vouchers Drawn for Gas to the Various Public Markets, Offices, Armories, etc., and for Fitting-up, Repairing, Lighting, etc., the Public Lamps during the Quarter ending March 31, 1897.

Washington Market.....	\$1,040 24	Corporation Yard, West 56th st.....	\$18 74
Catharine County Market.....	48 88	Department of Buildings.....	146 25
Catharine Meat Market.....	28 87	Chief Engineer's Office, High Bridge.....	28 00
Fulton Meat Market.....	345 37	Chief Engineer's Office, 3d ave., bet. 188th and 189th sts.....	19 68
Fulton Country Market.....	479 50	Commissioner of Street Improvements, 23d and 24th Wards.....	337 50
Centre Market.....	250 13	Photometric Station, Bowery and Grand st.....	16 75
Clinton Market.....	253 51	Photometric Station, No. 231 East 79th st.....	15 25
Union Market.....	359 25	7th Regt. Armory.....	2,507 50
Tompkins Market.....	336 00	8th Regt. Armory.....	1,613 49
2d Dist. Police Court.....	32 25	9th Regt. Armory.....	999 00
3d Dist. Police Court.....	79 25	12th Regt. Armory.....	729 50
4th Dist. Police Court.....	179 75	22d Regt. Armory.....	1,597 50
5th Dist. Police Court.....	12 00	60th Regt. Armory.....	275 00
6th Dist. Police Court.....	20 75	71st Regt. Armory.....	1,793 50
7th Dist. Police Court.....	48 00	Squadron "A" Armory.....	1,788 62
8th Dist. Police Court.....	16 50	1st Battery Armory.....	206 50
9th Dist. Police Court.....	13 00	Lighting Public Markets, pay-roll.....	225 00
10th Dist. Police Court.....	234 00	Cleaning Photometric Station, pay-roll.....	508 00
11th Dist. Police Court.....	13 00	Gas examinations.....	518 00
12th Dist. Police Court.....	361 76	Carriages.....	
13th Dist. Police Court.....	417 39	Rent of Photometric Station, Bowery and Grand st.....	150 00
14th Dist. Police Court.....	2,133 49	Rent of Photometric Station, No. 231 East 79th st.....	90 00
15th Dist. Police Court.....	521 62	New Boulevard lamps.....	520 00
16th Dist. Police Court.....	8 49	New crossheads.....	276 00
17th Dist. Police Court.....	2,438 51	Repairing metal street signs.....	153 00
18th Dist. Police Court.....	34 63	Repairing of gas-holder, Ship Canal Bridge.....	250 00
19th Dist. Police Court.....	23 51	Lighting public gas lamps.....	55,676 68
20th Dist. Police Court.....	4 99	Lighting public gas lamps, 23d and 24th Wards.....	22,199 96
21st Dist. Police Court.....	303 13	Fitting up new gas lamps.....	304 00
22nd Dist. Police Court.....	670 50	Fitting up new gas lamps, 23d and 24th Wards.....	48 00
23rd Dist. Police Court.....	8 51	Resetting and repairing lamp-posts.....	1,791 50
24th Dist. Police Court.....	41 50	Resetting and repairing lamp-posts, 23d and 24th Wards.....	367 50
Water Purveyor's Shop, No. 186 Mulberry st.....	18 63	Lighting electric-lamps.....	50,352 95
Repair Shop, No. 134 West 30th st.....	4 00	Lighting electric-lamps, 23d and 24th Wards.....	32,831 70
Repair Shop, No. 214 West 31st st.....	35 75	Lighting naphtha lamps.....	4,106 62
Repair Shop, No. 427 East 87th st.....	42 51	Lighting Dome of City Hall.....	49 39
Repair Shop, No. 3366 3d ave.....	24 00	Lighting Criminal Court Building.....	151 47
Repair Shop, No. 72 Elm st.....	60 99	Lighting Law Department.....	365 96
Engine-house, High Water Service, West 98th st.....	574 50	Lighting Office Clerk of Common Council.....	2 46
Engine-house, High Water Service, High Bridge.....	73 24	Lighting Office of Commissioner of Street Improvements, Williamsbridge.....	33 76
Engine-house, High Water Service, 10th ave. and 190th st.....	834 49	Lighting Armory of 9th Regt.....	623 67
Engine Room, Harlem Ship Canal Bridge.....	26 63		
South Gate-house, Central Park.....	64 25		
Clock Tower, 3d Dist. Court-house.....	286 00		
Bureau of Streets and Roads, West 123d st.....	12 75		
Bureau of Incumbrances, East 16th st.....	42 63		
Total.....			\$196,549 16

## RECAPITULATION.

Gas to public offices, etc.....	\$13,427 93	Supplies to public gas-lamps, etc.....	\$2,705 00
Electric-lighting to public offices, etc.....	603 04	Lighting public gas-lamps.....	55,676 68
Gas to public armories.....	11,510 61	Lighting public gas-lamps, 23d and 24th Wards.....	22,199 96
Electric-lighting to public armories.....	623 67	Lighting public electric-lamps.....	50,352 95
Fitting up new gas-lamps.....	304 00	Lighting public electric-lamps, 23d and 24th Wards.....	32,831 70
Fitting up new gas-lamps, 23d and 24th Wards.....	48 00	Lighting public naphtha lamps.....	4,106 62
Resetting and repairing lamp-posts.....	1,791 50		
Resetting and repairing lamp-posts, 23d and 24th Wards.....	367 50		
Total.....			\$196,549 16



**EXHIBIT "B."—Summary of the Appropriation for "Lamps and Gas and Electric Lighting" for the Year 1897, Showing the Amounts on Vouchers Drawn during the Quarter ending March 31, 1897, with the Balance Standing to the Credit of the Appropriation.**

Amount of appropriation for "Lamps and Gas and Electric Lighting" for 1897.....	\$1,222,831 00
Amount of vouchers drawn during the quarter ending Mar. 31.....	196,549 16
Balance against which no vouchers have been drawn.....	\$1,026,281 84
<b>LIABILITIES.</b>	
Lighting public lamps, month of Mar., as follows—	
Consolidated Gas Co.....	\$23,660 25
Equitable Gas-light Co.....	4,142 50
Standard Gas-light Co.....	2,624 26
Central Gas-light Co.....	3,066 33
Northern Gas-light Co.....	6,433 15
Yonkers Gas-light Co.....	1,859 07
N. Y. and N. J. Globe Gas-light Co.....	2,036 75
Edison Electric Illuminating Co.....	2,616 80
Brush Electric Illuminating Co.....	10,082 15
Harlem Lighting Co.....	\$1,107 30
Manhattan Electric-light Co.....	8,954 20
Mount Morris Electric-light Co.....	4,395 20
North River Electric-light and Power Co.....	11,729 70
Bronx Gas and Electric Co.....	5,162 22
Eastchester Electric Co.....	141 67
United Electric Light and Power Co., lighting Armory Ship "New Hampshire" for quarter ending Mar. 31.....	622 71
Fox & Engel, 1,000 square lamp-irons.....	300 00
Empire Ornamental Glass Co., 100 lights glass.....	35 00
Johnson Bros., 50 ornamental lamp brackets.....	185 00
Welsbach Street Lighting Co., 84 Manhattan lamps.....	690 00
	\$89,805 56
Balance available Mar. 31, 1897.....	\$936,396 28

**EXHIBIT "C."—Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1897, Showing the Amounts on Vouchers Drawn during the Quarter ending March 31, 1897, with the Balance Standing to the Credit of the Appropriation.**

Amount of the appropriation for "Lamps and Gas and Electric Lighting—Salaries".....	\$7,700 00
Amount of vouchers drawn, January.....	\$541 65
Amount of vouchers drawn, February.....	541 65
Amount of vouchers drawn, March.....	541 65

Total amount of vouchers drawn during the quarter..... 1,624 95

Balance available March 31, 1897..... \$6,075 05

**EXHIBIT "D."—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 March 31, 1897.**

<b>GAS-LAMPS.</b>	
Consolidated Gas Company, Branch 1—Number of lamps lighted December 31, 1896, 2,271. Less lamps discontinued during the quarter, 6; number of lamps lighted March 31, 1897, 2,265.	
Consolidated Gas Company, Branch 2—Number of lamps lighted December 31, 1896, 1,139; number of new lamps lighted during the quarter, 2—total, 1,141. Less lamps discontinued during the quarter, 21; number of lamps lighted March 31, 1897, 1,120.	
Consolidated Gas Company, Branch 3—Number of lamps lighted December 31, 1896, 1,158; number of old lamps relighted during the quarter, 1—total, 1,159; number of lamps lighted March 31, 1897, 1,159.	
Consolidated Gas Company, Branch 4—Number of lamps lighted December 31, 1896, 3,550; number of new lamps lighted during the quarter, 34; number of old lamps relighted during the quarter, 1—total, 3,585; number of lamps lighted March 31, 1897, 3,585.	
Consolidated Gas Company, Branch 6—Number of lamps lighted December 31, 1896, 6,197; number of new lamps lighted during the quarter, 2; number of old lamps relighted during the quarter, 3—total, 6,202. Less lamps discontinued during the quarter, 16; number of lamps lighted March 31, 1897, 6,186.	
Total number of lamps lighted by the Consolidated Gas Company, March 31, 1897, 14,315.	
Equitable Gas-light Company—Number of lamps lighted December 31, 1896, 4,045. Less gas-lamps discontinued on account of electric-lights, 17; number of lamps lighted March 31, 1897, 4,028.	
Standard Gas-light Company, Madison Square Branch—Number of lamps lighted December 31, 1896, 960; number of lamps lighted March 31, 1897, 960.	

**EXHIBIT "E."—Statement Giving the Illuminating Power, in Candles, of the Gases Supplied to the City by the Several Gas-light Companies during the Quarter ending March 31, 1897, as Shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.**

FOR WHAT TIME.	EAST RIVER.			CON., BRANCH 1.			CON., BRANCH 2.			CON., BRANCH 3.			CON., BRANCH 4.			CON., BRANCH 6.			N. Y. MUTUAL.			EQUITABLE.			STANDARD.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
Jan. 2, 1897.....	29.34	29.92	29.67	24.22	27.16	25.71	23.12	24.78	23.82	26.62	28.90	28.05	22.32	23.61	22.98	26.44	28.02	27.09	26.08	27.62	27.17	25.38	28.64	27.16	26.24	28.58	27.14
" 9, ".....	29.12	29.64	29.31	24.28	26.23	25.43	23.02	24.92	24.32	27.38	28.36	27.90	22.86	24.70	24.20	25.62	28.10	26.81	25.08	26.84	26.35	25.76	27.78	27.01	24.30	27.24	26.58
" 16, ".....	29.28	30.86	29.87	24.42	27.28	25.45	23.12	24.92	25.22	27.12	28.89	27.80	22.80	25.14	24.20	25.92	28.10	26.81	25.76	26.84	26.35	25.76	27.78	27.01	24.30	27.24	26.58
" 23, ".....	29.10	30.82	29.94	24.18	26.38	25.25	22.00	24.60	26.82	28.48	27.80	27.80	22.88	25.26	24.34	25.14	27.76	26.49	26.00	28.32	27.16	24.70	27.60	26.75	25.30	26.92	26.43
" 30, ".....	29.40	30.62	30.00	24.68	26.92	25.93	23.22	24.84	24.03	25.50	29.38	27.45	23.46	25.06	24.36	26.66	26.54	25.49	24.60	27.38	27.39	27.18	28.90	27.85	25.52	26.14	25.78
Feb. 6, ".....	29.96	30.70	30.33	25.44	27.08	26.46	22.14	24.70	23.91	27.08	28.94	28.02	24.10	24.84	24.45	25.15	27.26	26.04	25.94	26.82	26.40	25.80	28.26	26.81	24.96	27.44	26.25
" 13, ".....	28.82	30.66	29.82	24.36	27.18	25.49	22.48	24.34	23.16	27.74	28.84	28.02	23.88	24.64	24.24	25.10	26.72	25.80	25.62	26.74	26.28	25.46	27.80	25.44	20.92	26.78	25.37
" 20, ".....	29.06	30.94	30.18	26.30	27.60	27.10	22.48	23.84	23.34	27.44	28.90	28.18	23.88	24.64	24.24	25.10	26.72	25.80	25.62	26.74	26.28	25.46	27.80	25.44	20.92	26.78	25.37
" 27, ".....	28.72	30.10	29.30	22.98	25.94	24.39	22.10	24.40	23.16	27.16	28.28	27.60	23.88	24.66	24.30	24.40	27.10	25.81	24.00	27.32	25.87	26.26	27.94	27.08	23.61	26.68	25.37
Mar. 6, ".....	27.76	29.52	28.72	22.40	26.10	24.13	20.62	24.06	22.32	25.60	28.80	27.24	23.54	24.18	24.07	24.32	27.20	25.51	24.44	26.34	25.12	24.60	26.93	25.45	24.32	26.86	25.37
" 13, ".....	27.78	29.18	28.54	24.48	27.30	25.95	21.50	24.08	23.09	27.52	29.26	28.48	23.94	24.94	24.47	25.40	28.00	26.80	25.52	27.12	26.18	25.00	28.80	27.29	23.70	26.93	25.03
" 20, ".....	27.60	29.52	28.36	23.98	27.20	26.19	21.94	24.72	23.54	27.46	29.44	28.28	24.20	24.74	24.42	26.04	27.26	26.71	24.32	25.60	25.02	25.40	27.98	26.90	24.92	28.20	26.61
" 27, ".....	28.30	28.96	28.67	25.84	27.82	27.03	23.76	24.92	24.40	26.34	29.68	28.07	24.38	24.90	24.64	25.46	27.16	26.36	24.52	26.58	25.69	27.42	28.60	28.04	24.08	25.54	25.13
Average for Quarter.....	27.60	30.94	29.43	22.40	27.82	25.73	20.62	25.22	23.57	25.50	29.68	27.98	22.32	25.25	24.25	24.32	28.76	26.42	24.00	28.32	26.17	24.60	29.02	27.11	20.92	28.53	25.89
Distance from gas-works.....	1.20 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles	1.10 Miles
Testing burner.....	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.	Bray's Silt Union No. 7.

**DOCUMENT "I."—REPORT OF THE BUREAU OF REPAIRS AND SUPPLIES.**  
BUREAU OF REPAIRS AND SUPPLIES, NEW YORK, April 7, 1897. Hon. CHARLES H. T. COLLIS, Commissioner of Public Works.

DEAR SIR—In accordance with your instructions, I have the honor to present the following report of the transactions of the Bureau for the quarter ending March 31, 1897.

Among the principal items of work done I refer to the following, which I respectfully submit for your consideration:

**CRIMINAL COURT BUILDING.**

All the elevators in above building have been entirely overhauled and repaired; old parts, where necessary, taken out and new ones put in place. A policy of insurance is carried by the City against accidents in the elevators, and said elevators are regularly inspected bimonthly by the Fidelity and Casualty Company, and a report of such inspection furnished the Bureau.

The usual orders were given and the work done and supplies furnished satisfactorily, during the quarter, for cleaning all the glass in doors and windows; repairing and regulating the electrical clocks; a supply of lumber and plumber's supplies for use of the Carpenter and Plumber, respectively, in the employ of this Department.

The several doors in the offices of the Civil Service Bureau, Health Department and District Attorney's offices were relettered, and as required newly lettered.

A Worthington pump was overhauled and repaired; one Wrigley's patent flexible auger for removing obstructions in soil-pipe furnished; two barrels of oil for use of Engineer and one barrel of boraxine were furnished. The usual supplies for cleaning, heating, etc.—consisting of Janitor's supplies and coal and wood—were also furnished.

The contract for the telephone connected with the telephone exchange and located in the Recorder's private office was renewed for the year.

A supply of law books was furnished to the Court of General Sessions and Court of Special Sessions.

Four screens, three Copartnership directories, a supply of law books, and an iron wire railing, with the necessary hand-holes, gates, locks, etc., were furnished and erected in the District Attorney's office.

**COUNTY COURT-HOUSE.**

The two elevators in above building have been entirely overhauled and repaired; old parts, where necessary, taken out and new ones put in place. A policy of insurance is carried by the City against accidents in the elevators, and said elevators are regularly inspected bimonthly by the Fidelity and Casualty Company, and a report of such inspection furnished the Bureau.

The order for the supply of steam for running the elevators, heating, etc., was renewed, as was also the order for repairs to the electric service (call-bells, etc.) for the year 1897.

One Wrigley's patent flexible auger, one barrel of boraxine, one barrel of cylinder oil, one barrel of C. C. C. compound, and the usual cleaning and heating supplies were furnished.

The contract for the telephone connected with the telephone exchange and extension desk set connected with said telephone, located in the County Clerk's office, was renewed for the year 1897.

**SURROGATE'S COURT.**

The quarters formerly occupied by the Sheriff now form part of the above court, and the following alterations and repairs, which were necessary to fit up the court, are nearing completion:

Room 2 partitioned off with the best quality of seasoned oak and of detailed design, same to extend to the ceiling. Framework of partitions, 1½ inches thick, with panels of suitable thickness

Standard Gas-light Company, Harlem Branch—Number of lamps lighted December 31, 1896, 1,257; number of lamps lighted March 31, 1897, 1,257.

Total number of lamps lighted by Standard Gas-light Company, March 31, 1897, 2,217.

Central Gas-light Company—Number of lamps lighted December 31, 1896, 1,464; number of new lamps lighted during the quarter, 10; number of old lamps relighted during the quarter, 9—total, 1,483. Less lamps discontinued during the quarter, 7; number of lamps lighted March 31, 1897, 1,476.

Northern Gas-light Company—Number of lamps lighted December 31, 1896, 2,697. Less lamps discontinued during the quarter, 16; number of lamps lighted March 31, 1897, 2,681.

Yonkers Gas-light Company—Number of lamps lighted December 31, 1896, 806; number of lamps lighted March 31, 1897, 806.

Total number of gas-lamps lighted March 31, 1897, 25,523.

**NAPHTHA-LAMPS.**

New York and New Jersey Globe Gas-light Company—Number of lamps lighted December 31, 1896, as follows: in Central Park, 500; in Riverside Drive, 97; in Morningside avenue, West, 15; in Woodlawn Heights, 33; in Wakefield, 128; in Williamsbridge, 252; in City Island, 103—total, 1,128; number of new lamps lighted during the quarter, in Morningside Park, 11; in Wakefield, 1; in Williamsbridge, 1—total, 13. Less lamps discontinued during the quarter (Riverside Drive), 1; number of naphtha-lamps lighted, March 31, 1897, 1,140.

**ELECTRIC-LAMPS.**

Brush Electric Illuminating Company—Number of lamps lighted December 31, 1896, 802; number of new lamps lighted during the quarter, 4—total, 806; number of lamps lighted March 31, 1897, 806.

Mount Morris Electric-light Company—Number of lamps lighted December 31, 1896, 362. Less lamps discontinued during the quarter, 3; number of lamps lighted March 31, 1897, 359.

Manhattan Electric-light Company—Number of lamps lighted December 31, 1896, 241; number of lamps transferred from Madison Square Company, 318; number of lamps transferred from Harlem Company, 143—total, 702; number of lamps lighted March 31, 1897, 702.

Harlem Lighting Company—Number of lamps lighted December 31, 1896, 228. Less lamps transferred to Manhattan Company, 143; number of lamps lighted March 31, 1897, 85.

Edison Electric Illuminating Company—Number of lamps lighted December 31, 1896, 169; number of lamps lighted March 31, 1897, 169.

North River Electric-light and Power Company—Number of lamps lighted December 31, 1896, 843; number of new lamps lighted during the quarter, 2—total, 845; number of lamps lighted March 31, 1897, 845.

Eastchester Electric Company—Number of lamps lighted December 31, 1896, 69; number of lamps lighted March 31, 1897, 69.

Bronx Gas and Electric Company—Number of lamps lighted December 31, 1896, 496; number of lamps lighted March 31, 1897, 496.

Total number of electric-lamps lighted March 31, 1897, 3,531.

**RECAPITULATION.**

Number of gas-lamps lighted December 31, 1896.....	25,544
Number of naphtha-lamps lighted December 31, 1896.....	1,128
Number of electric-lamps lighted December 31, 1896.....	3,523
Number of new gas-lamps lighted during the quarter.....	48
Number of new naphtha-lamps lighted during the quarter.....	13
Number of new electric-lamps lighted during the quarter.....	6
Number of old gas-lamps relighted during the quarter.....	67
Less gas-lamps discontinued during the quarter.....	14
Less naphtha-lamps discontinued during the quarter.....	66
Less electric-lamps discontinued during the quarter.....	1
Less gas-lamps discontinued on account of electric-lights.....	3
Less gas-lamps discontinued on account of electric-lights.....	17
Total number of lamps lighted March 31, 1897.....	30,194

to correspond. Doors in partitions of same thickness and material as partitions, 7 feet 6 inches high and 2 feet 8 inches wide; double doors in partition, 5 feet wide in all. Wood paneling to extend from floor to ceiling in aforesaid partition. Above this line partitions to have transparent glass panels, with fan-lights revolving on horizontal axes in such places as shall be convenient, with necessary catches, etc.

All hardware used in above work is of pure bronze.

All woodwork, when finished, shall receive one coat of filler and three coats of best rock varnish, and then rubbed with pumice to a fine polish. When finally in place the woodwork shall be rubbed with oil to a dry surface.

The partition between the Record-room and the Library is all wood paneling to the ceiling, except over the door, where glass panels and fan-light are put.

The shelving for old records has been put up in three sections, extending from floor to ceiling in each case. It is of white pine, painted and finished to match the walls. The lower tiers are 18 inches in clear height, and the rest 10 inches; the clear depth is 12 inches.

Open book-cases are constructed and put up in the library in three sections, extending from floor to ceiling in each case; same to be of best quality of seasoned oak. Shelf depths are 12 inches, clear height 11 inches, except lowest course, where clear height is 12 inches.

Between anteroom and toilet-room, door has been removed, and necessary repairs made. A cross partition has been put up and finished against those already standing; the same is 7 feet 6 inches high. The two partitions were repaired where necessary, cleaned and revarnished.

Two pairs of vestibule doors constructed in general like those at entrances to other court rooms, on second floor, to be put up.

All windows, shutters, sashes, etc., to be overhauled and put in complete working order. Defective parts to be removed and replaced by new and approved parts.

Office shades of the best quality to be put up on 10 windows, facing outward.

The toilet fixtures and plumbing have been carefully examined and thoroughly overhauled, cleaned and put in good working order. All defective parts have been removed and same replaced by new and approved parts.

With the exception of the Court-room and the office adjoining it, all interior walls and ceilings have been scraped, washed, plugged and painted (white for the



About 328 yards of linoleum and 294 yards of carpet were furnished and laid. A safe was repaired and overhauled complete and one standard clock furnished. The necessary lettering of the doors was also performed.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## CITY HALL BUILDING.

The usual order for supply of steam was given and steam furnished. The old tin gutter linings on roof were removed and new ones put in place. One barrel of boraxine, four United States flags, two State flags, two municipal flags, made of best royal bunting, and one Wrigley's patent flexible auger were furnished.

The old tiling in front of the Governor's room was taken up and replaced with a new tiling of best quality.

The carpets in the Mayor's public and private offices were taken up, and in the public office about 176 yards of best quality Wilton carpet was laid, and in the private office the carpet formerly in the public office was relaid; also, one carpet rug, 7 yards by 4 feet, was furnished. The contract for the telephone now in above office was renewed for the year 1897.

In the room off the Mayor's office five rugs and about 55 yards of carpet were furnished and laid, and in the anteroom 42 yards of carpet and two rugs were furnished and laid.

The following window shades and tops, made of opaque shade cloth and mounted on Hartshorn spring rollers, were furnished and placed in position in the following offices: Mayor's private office, 7; Bond-room, 4; anteroom, 2, and room off anteroom, 2.

In the Mayor's Marshal's office a supply of law books, one cocoa mat and 64 yards of linoleum were furnished.

The contract for telephone located in City Court was renewed for the year 1897, and two high desk chairs were furnished above court. A book-case and a supply of law books were furnished for use of City Court library.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## HALL OF RECORDS.

The contract was renewed for the year 1897 for telephone and desk extension set, and one barrel each of disinfectant and C. C. C. compound was furnished. The old fire-pots in furnaces were taken out and replaced with new ones.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## BROWN-STONE BUILDING.

The elevator in above building was entirely overhauled and repaired, old parts, where necessary, taken out and new ones put in place. A policy of insurance is carried by the City against accidents in the elevator, and said elevator is regularly inspected bimonthly by the Fidelity and Casualty Company, and a report of such inspection furnished the Bureau.

A supply of law books was furnished for use of the First Judicial District Court.

The contract was renewed for the year 1897 for extension desk set of telephone instruments in office of Street Cleaning Department, and a supply of law books was also furnished.

## SHERIFF'S OFFICE.

The contract was renewed for the year 1897 for extension desk set of telephone instruments; a supply of law books was also furnished. Desk telephone and call-bell outfit were repaired and the intercommunicating telephones were entirely overhauled and repaired and batteries recharged.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## HARLEM COURT-HOUSE.

The elevator in above building has been entirely overhauled and repaired, old parts, where necessary, taken out and new ones put in place. A policy of insurance is carried by the City against accidents in the elevator, and said elevator is regularly inspected bimonthly by the Fidelity and Casualty Company and a report of such inspection furnished the Bureau.

The Worthington pump was overhauled and repaired, new parts furnished to replace old parts removed.

One barrel of cylinder oil, one barrel of boraxine and one 4-inch cleaner and brush were furnished.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## THIRD DISTRICT COURT-HOUSE.

One 6-inch heavy iron sewer-pipe was put in from front wall of prison to rear wall and sewer connected in Court-house. All connections along the line of sewer were picked up, and one new 6-inch heavy iron trap at the front wall and a 4-inch fresh-air inlet furnished. One-half barrel of C. C. C. compound was also furnished.

A safe in Third Judicial District Court was entirely overhauled and repaired, and 27 window shades made of opaque shade cloth, mounted on Hartshorn spring rollers, were put up in the Second District City Magistrate's Court.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## SEVENTH DISTRICT COURT-HOUSE.

Old leaders on above court-house were taken down and replaced by new leaders, properly painted. One barrel of C. C. C. compound was furnished.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## SEVENTH DISTRICT POLICE COURT AND PRISON AND ELEVENTH JUDICIAL DISTRICT COURT.

A policy of insurance is carried by the City against accidents in the elevator, and said elevator is regularly inspected bimonthly by the Fidelity and Casualty Company, and a report of such inspection furnished the Bureau.

Brickwork around pipes was repaired, cement floor, where broken, and plastering in closets were also repaired. On the Fifty-third street side of building an iron railing was put up to inclose the sidewalk elevator.

One barrel of cylinder oil, ten gallons of kerosene and twenty pounds of Albany grease were furnished.

The usual Janitor's supplies for cleaning, and coal and wood for heating, etc., were also furnished.

## PUBLIC BUILDING, CROTONA PARK (TWENTY-THIRD AND TWENTY-FOURTH WARDS).

This building is now entirely completed and is at present occupied by the Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards. A supply of coal has been furnished.

## COUNTY JAIL.

The roof on above jail has been repaired and painted and the gutters painted. Range has been repaired and overhauled, new parts having been put in where necessary, and brickwork repaired. Forty new sashes and frames were painted and a new refrigerator and drip-pan furnished. The extensive alterations to the plumbing, gasfitting, ironwork, etc., in above jail are almost complete. A detailed report of all the work done will appear in next report.

## THE MARKETS.

Fulton Market—Damaged flooring in above market was removed and replaced with a new flooring laid on chestnut sleepers. The four walls at Stand No. 200 have been replastered, and roof, where damaged, all defective parts taken out and replaced with new tin, painted bottom and top.

Catharine Market—Three doors in above market were painted.

Tompkins Market—Two doors in above market were painted.

Washington Market—Old gutter linings were taken out and, in their place, new ones put in.

West Washington Market—The roof and leaders of above market were overhauled and repaired, defective parts taken out and replaced with new ones of best quality, properly painted.

The steel rolling shutters in above market were overhauled and repaired.

Clinton Market—Two doors and wall around same were painted. The doors on the Canal street side were rehung, putting them in first-class condition, and, on the Washington street side, two pairs of doors, with the necessary hardware, etc., complete, were furnished and put up.

Jefferson Market—The roof of above building was repaired, defective parts removed and replaced with tin of best quality, painted bottom and top. Two doors on Greenwich street side and two doors on Sixth avenue side, with the necessary hardware, etc., complete, were furnished and hung.

Centre Market—The pier on the northwest corner of above market was reset and the stone-work on the Centre street side was made good; three doors were painted, and roof, where damaged, repaired.

## JUDICIAL DISTRICT COURTS.

Fourth District—The usual order for the necessary supply of steam for heating, etc., has been renewed for the year 1897.

Fifth District—In the Janitor's apartments about 41 yards of carpet and 32 yards of linoleum have been furnished and laid.

Sixth District—The usual order for the necessary supply of steam for heating, etc., has been renewed for the year 1897.

Eighth District—Six cane-seat office chairs, an oak wardrobe, and a supply of law books for use of above court have been furnished.

Ninth District—A supply of law books for use of above court has been furnished.

Tenth District—Plaster partition in above court-room was removed, and sides and head trimmed with 4½-inch casings, jambs and corner blocks. Judge's platform was also removed and raised two feet, and necessary steps, risers, etc., put in place. Jurors' platform, iron railings, paneled partition and book-case were removed and placed in their proper position. In main hall one pair of double-acting swinging doors, with fan-light hung on pivots and secured with transom

lift, were furnished and put up. One oak desk for use of Judge was furnished. Gas-fixtures were connected with desk. All woodwork was painted to correspond with furniture; benches were also painted.

Thirteenth District—The usual order for the necessary supply of steam for heating, etc., has been renewed for the year 1897. Extensive alterations to carpentering, painting, plumbing, etc., which were necessary for the use of above court, are now progressing and will be entirely completed in about three weeks. One Mosler safe furnished.

In addition, all the District Courts are supplied with the necessary Janitors' supplies for cleaning, and a supply of coal and wood for heating, etc.

## CITY MAGISTRATES' COURTS.

The Board of City Magistrates were furnished with nine copies of Cook's Criminal and Penal Code for use of the different City Magistrate Courts.

Third District—One high stool and one safe were furnished. An iron railing with two gates was furnished and put up around the Judge's platform, and an iron wire railing 12 feet long and 2 feet high was also furnished and put up.

Fourth District—Two copies of Consolidation Act were furnished.

Fifth District—One barrel of C. C. C. compound was furnished, and a telephone connected with telephone exchange was placed in above court. In addition, all the District Courts are supplied with the necessary Janitors' supplies for cleaning, and a supply of coal and wood for heating, etc.

## STREET CLEANING DEPARTMENT'S STABLES.

Thirty "Little Giant Fire Extinguishers" were furnished.

Stable Located at Sixteenth and Seventeenth Streets and Avenue C.

The walls of above stable on the Sixteenth and Seventeenth street sides were in very bad condition, and to make them good it was necessary to take down defective parts, and same was rebuilt, making the walls perfectly good.

## SUPREME COURT—APPELLATE DIVISION.

The usual order for the washing and furnishing of towels was renewed, as was also the contract for the two telephones now in above court.

## CORPORATION COUNSEL'S OFFICE.

Lettering on doors, as directed, was removed and relettered. One caligraph and four Remington typewriters were furnished, also two desks for same; and in Bureau of Street Openings two desks, two chairs for same, two tables and two rugs were furnished.

## BOARD OF ASSESSORS.

The contract for the telephone now located in above office was renewed for 1897.

BUREAU OF THE ATTORNEY FOR COLLECTION OF PERSONAL TAXES.

One Copartnership Directory and two "Gould's Lawyers' Diary" were furnished.

## FINANCE DEPARTMENT.

The contract for the telephones now located in Comptroller's public office, Comptroller's private office and First Auditor's office, and the extension desk set in above office, were renewed for year 1897.

One revolving chair and three shades made of opaque shade cloth, and mounted on Hartshorn rollers, were furnished.

To connect Room 2 with Deputy Comptroller's office, a new call-bell outfit was installed complete, and in the office of the Deputy Comptroller two screens, each 6 feet square, were furnished.

The order for the burglar alarm service of the Holmes Company connected with office and police station was renewed for year 1897. An iron wire railing, with the necessary gates, locks, hand-holes, etc., was furnished and put up.

## CITY PAYMASTER.

The contract for telephone and extension desk set was renewed for the year 1897. A new six-drop electrical annunciator and four buzzers, with necessary wiring, etc., were installed.

BUREAU FOR COLLECTION OF CITY REVENUE AND OF MARKETS.

15 window shades made of opaque shade cloth, and mounted on Hartshorn spring rollers, were furnished and put up.

## RECEIVER OF TAXES.

The order for the use of the safety filter was renewed for year 1897.

## CITY CHAMBERLAIN.

The contract for the telephone was renewed for year 1897.

## TAX COMMISSIONERS.

The contract for the telephone was renewed for year 1897.

## COMMISSIONER OF JURORS.

The contract for the telephone was renewed for year 1897, also desk set. One Standard clock, 6 flat-top desks and 6 revolving chairs were furnished.

## PUBLIC ADMINISTRATOR.

A file-case 6 feet high, 3 feet wide and 16 inches deep, containing 42 drawers, was furnished and placed in position. One table and one dozen bent-wood cane-seat office chairs were also furnished.

## CORPORATION YARD, RIVINGTON STREET.

Three sheds in above yard, the old roof gutters and valleys were taken off and entire new roofs, gutters and valleys put on in place.

## BUILDING DEPARTMENT.

The contract for the telephone for the year 1897 was renewed. A supply of law books and a barrel of C. C. C. cleaning compound were furnished.

## COMMISSIONER OF ACCOUNTS.

The contract for the telephone and the two extension desk sets for the year 1897 were renewed. A large tool-chest mounted on axles and wheels, fitted with shafts, also furnished.

## CITY SURVEYOR.

Session laws for 1896 were furnished.

## SUPERVISOR OF CITY RECORD.

One roll-top desk, one revolving desk chair and one rug 4½ feet by 7½ feet were furnished.

## THE ARMORIES.

Eighth Regiment—One telephone connected with the telephone exchange was put in the above armory and two barrels of wax gloss floor oil were furnished. Gas leaks, chandeliers and gas heaters were repaired and necessary globes furnished. Extensive repairs to the gas plant were made, and a new line of gas-pipe, with suitable fixtures, was run into the storm shed. The old lining of tank on roof was taken out and new one put in place. A storm shed was built and put in place on the Ninety-fourth street entrance. Three new lockers to correspond with old ones were furnished and erected in Surgeon's room, and to make living apartments for the Janitor the necessary carpenter-work, etc., was done. The Surgeon's room was painted, varnished, etc., and a pigeon-hole case was built and furnished. All the gates, locks, etc., were repaired and new window shades where required furnished. The flag-staff on roof was painted and new halyards furnished. Fifteen roll-top desks and 15 revolving desk chairs were furnished.

Ninth Regiment—Two clocks were furnished and put in place, and two barrels of wax gloss floor oil were also furnished. Boiler tubes were taken out and new ones substituted, and a ventilator of approved design put in.

Twelfth Regiment—One hundred thousand each of primers and white pasters and 10,000 black pasters, also two barrels of wax gloss floor oil, were furnished. Fire-boxes were pointed up and relined. Grate-bars and engineers' tools were furnished. Necessary glazing and steam-fitting work were done; pump and leaks in gas-pipes were repaired and a supply of lumber furnished. A new electric motor was furnished and put in place, as were also the repairs to the annunciators located in the rifle range. Thirteen roll-top desks and 400 camp chairs were also furnished.

Twenty-second Regiment—The order for the telephone in the rifle range was renewed for year 1897. A new electrical outfit for rifle range, consisting of a thirty-drop annunciator, with necessary wiring, etc., was installed. Glazing, gas fixtures and water-closets were entirely overhauled and repaired. New hood for the range was furnished and put up. Wire guards on windows were furnished and put up; iron gates and doors repaired, and a set of grate-bars for boiler was furnished. The fire-box was pointed up and relined. Damaged leaders were taken down and new ones put in place. Flag-staff was repaired and painted and new halyards furnished. One roll-top desk and one revolving desk chair were furnished. Six hundred camp chairs were also furnished.

Sixty-ninth Regiment—Grate-bars and Engineer's tools were furnished. Eight new washout water-closets and two new urinals were furnished and erected, and one new soil-pipe put in. Four roll-top desks and twelve revolving desk chairs were furnished.

Seventy-first Regiment—Two barrels of wax gloss floor oil were furnished. Leaders, gutter linings, water-closets, gates, locks, glazing and radiators were repaired. A new boiler tube was furnished and put in the boiler.

Squadron A—Two barrels of finishing-lime were furnished. A supply of tan-bark for use in the ring and an iron roller to lay same were furnished. Seventy-five lockers, corresponding with lockers now there, were furnished and erected. Three roll-top desks and three revolving desk chairs were furnished. Repairs were made to the electrical-lighting plant. Reflectors over gas extending the entire width of the armory were furnished and put up. Gas brackets were repaired and new globes, where necessary, furnished. Extensive repairs to steam-fitting, pump and glazing were made. Hot-water pipes and sliding doors were repaired. Wire guards, gates and iron grating were repaired. Two cisterns over water-closets and one over urinal were furnished and put up.

Second Battery—One standard clock was furnished, and repairs to glazing were made.

First Naval Battalion—Shellac, alcohol, brushes and necessary ship supplies were furnished.

Two balls and ball-cocks were furnished and put in cistern over water-closet.

In addition to the above, a supply of Janitors' supplies were furnished, and a supply of coal and wood for the necessary heating, etc., was furnished.







Total amount of requisitions drawn upon the Comptroller during the week, \$33,270.06.  
Respectfully, LOUIS F. HAFFEN, Commissioner.

Adopted by the Board of Aldermen, June 28, 1897. Approved by the Mayor, July 2, 1897.



No. 9. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON CONCRETE FOUNDATION, THE CARRIAGEWAY OF DYCKMAN STREET, from Kingsbridge road to the New York Central and Hudson River Railroad, AND RESET CURB-STONE ALONG THE LINE OF SAID STREET.

No. 10. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTY SEVENTH STREET, from Eleventh avenue to Kingsbridge road.

No. 11. FOR REGULATING AND GRADING FORTY EIGHTH STREET, from Eleventh to Twelfth avenue, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 12. FOR REGULATING AND GRADING FORTY-NINTH STREET, from Eleventh to Twelfth avenue, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 13. FOR REGULATING AND GRADING TERRACE VIEW AVENUE, SOUTH, ON MARBLE HILL, from Kingsbridge road, running around in a circular direction until it reaches Broadway and Two Hundred and Twenty-sixth street, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 14. FOR REGULATING AND GRADING VAN CORLEAR PLACE, ON MARBLE HILL, N. Y. CITY, from Wicker place to Kingsbridge road, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 15. FOR REGULATING AND GRADING JANSEN AVENUE, ON MARBLE HILL, N. Y. CITY, from Terrace View avenue, North, to Terrace View avenue, South, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 16. FOR REGULATING AND GRADING KINGSBRIDGE AVENUE MARBLE HILL, from Terrace View avenue to the intersection of Van Corlear place, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 17. FOR REGULATING AND GRADING JACOBUS PLACE, ON MARBLE HILL, N. Y. CITY, at the intersection of Van Corlear place to Terrace View avenue, South, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 18. FOR REGULATING AND GRADING TERRACE VIEW AVENUE ABOUT 100 FEET NORTH OF UNITED STATES CHANNEL LINE, from Broadway to Kingsbridge road, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 19. FOR REGULATING AND GRADING WICKER PLACE, ON MARBLE HILL, N. Y. CITY, from Jansen avenue to Kingsbridge road, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

No. 20. FOR REGULATING AND GRADING NAGLE AVENUE, from Kingsbridge road to Tenth avenue, AND SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN (except between Kingsbridge road and Dyckman street).

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates or in any portion of the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance, and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting, the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in a sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Bureau of Water Purveyor in basement.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, March 23, 1897.

NOTICE IS HEREBY GIVEN TO ALL PLUMBERS, to whom license has been or may be issued to make and connect service pipes, for conducting water to houses and tenements with the distributing pipes in this city, after said pipes have been tapped, and to make connections with sewers or drains from houses and tenements with the sewers or drains in the streets or avenues of this city, that such license will be revoked in the case of any plumber who permits another to use his license and to do the work of a master plumber without holding a certificate of competency from the Examining Board of Plumbers; or who violates any of the regulations which have been or may hereafter be established by the Department, respecting the introduction and use of the Croton water and connections made with sewers and drains.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS, NEW YORK, June 25, 1897.

PUBLIC NOTICE.

ELM STREET—WIDENING AND EXTENSION.

THE COMMISSIONER OF PUBLIC WORKS, by and under authority of chapter 641 of the Laws of the State of New York, passed May 22, 1897, hereby notifies all owners and occupants within the lines of the property taken for the widening and extension of Elm street, from City Hall place, near Chambers street, to Great Jones street, opposite Lafayette place, to vacate the premises within the lines of the said street on or before July 31, 1897, at which time the buildings and parts of buildings will be sold at public auction.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS, NEW YORK, August 6, 1896.

NOTICE IS HEREBY GIVEN THAT THE charge for vault permits is fixed at the rate of \$2 per square foot, under and pursuant to ordinance of the Common Council relating thereto.

HOWARD PAYSON WILDS, Deputy Commissioner of Public Works.

TO OWNERS, ARCHITECTS AND BUILDERS.

NOTICE IS HEREBY GIVEN THAT ALL ORDINANCES of the Common Council, approved March 30, 1897, and subsequent thereto, in relation to the use and occupancy of sidewalks, must be complied with, and that all hoistways must occupy only such space of the sidewalk as is authorized by special ordinance of the Common Council, passed March 30, 1886, viz.:

"Hoistways may be placed within the sidewalks, but in no case to extend beyond five feet from the house-line, and shall be guarded by iron railings or rods to prevent accidents to passers-by."

You are further notified that all violations now existing of such ordinances must be removed, and that all conditions set forth in permits granted for vault or other purposes must be complied with within sixty days. The special ordinances permitting court-yard inclosures give no right to occupy this space otherwise.

CHARLES H. T. COLLIS, Commissioner of Public Works.

NOTICE TO PROPERTY-OWNERS, BUILDERS, FLAGGERS AND OTHERS.

NOTICE IS HEREBY GIVEN THAT THE practice of placing concrete or other friable curbs on the streets of this city is in contravention of chapter 5, Article XIV, section 251, Revised Ordinances of 1897, which reads: "All curbs-stones \* \* \* shall be of the best hard blue or gray granite." And this Department will find it necessary to prosecute to the full penalty imposed by law persons setting or making such curbs, whether they have been broken or removed the curbs-stones provided by the City or not.

Further notice is given that this Department will in no case entertain claims or damages to concrete or other artificial sidewalks that are caused by repair or setting of hydrants, or by other work which the City does for the general good.

CHARLES H. T. COLLIS, Commissioner of Public Works.

SEALED PROPOSALS WILL BE RECEIVED BY the Committee on Buildings of the Board of Education of the City of New York, at the Annex of the Hall of the Board, No. 58 Broadway, eleventh floor, until 3 o'clock P. M., on Wednesday, July 14, 1897, for Removing Building, Grading Lots, Erecting Fences, etc., on the following-named premises:

No. 114 Hester street, Grammar School No. 7; No. 75 Lewis street, Grammar School No. 88; No. 189 Broome street, Primary School No. 20; No. 318 West Seventeenth street, Grammar School No. 11.

Plans and specifications may be seen, and blank proposals obtained at the Annex of the Hall of the Board, Estimating Room, Nos. 419 and 421 Broome street, top floor.

No. 3. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF LEXINGTON AVENUE, from One Hundred and First to One Hundred and Third street.

No. 4. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF PARK AVENUE, WEST SIDE from One Hundred and First to One Hundred and Second street.

No. 5. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND TWENTY-SEVENTH STREET, from the Boulevard to Riverside Drive.

No. 6. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND THIRTIETH STREET, from Convent to Amsterdam avenue.

No. 7. FOR REGULATING AND PAVING WITH GRANITE OR SYENITE BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE CARRIAGEWAY OF ONE HUNDRED AND EIGHTY-FIFTH STREET, from Kingsbridge road to the east side of Wadsworth avenue.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or in the work to which it relates, or in any portion of the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance, and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting, the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in a sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained in Bureau of Water Purveyor in basement.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE, No. 150 NASSAU STREET, NEW YORK, March 23, 1897.

NOTICE IS HEREBY GIVEN TO ALL PLUMBERS, to whom license has been or may be issued to make and connect service pipes, for conducting water to houses and tenements with the distributing pipes in this city, after said pipes have been tapped, and to make connections with sewers or drains from houses and tenements with the sewers or drains in the streets or avenues of this city, that such license will be revoked in the case of any plumber who permits another to use his license and to do the work of a master plumber without holding a certificate of competency from the Examining Board of Plumbers; or who violates any of the regulations which have been or may hereafter be established by the Department, respecting the introduction and use of the Croton water and connections made with sewers and drains.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS, NEW YORK, June 25, 1897.

PUBLIC NOTICE.

ELM STREET—WIDENING AND EXTENSION.

THE COMMISSIONER OF PUBLIC WORKS, by and under authority of chapter 641 of the Laws of the State of New York, passed May 22, 1897, hereby notifies all owners and occupants within the lines of the property taken for the widening and extension of Elm street, from City Hall place, near Chambers street, to Great Jones street, opposite Lafayette place, to vacate the premises within the lines of the said street on or before July 31, 1897, at which time the buildings and parts of buildings will be sold at public auction.

CHARLES H. T. COLLIS, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS, NEW YORK, August 6, 1896.

NOTICE IS HEREBY GIVEN THAT THE charge for vault permits is fixed at the rate of \$2 per square foot, under and pursuant to ordinance of the Common Council relating thereto.

HOWARD PAYSON WILDS, Deputy Commissioner of Public Works.

TO OWNERS, ARCHITECTS AND BUILDERS.

NOTICE IS HEREBY GIVEN THAT ALL ORDINANCES of the Common Council, approved March 30, 1897, and subsequent thereto, in relation to the use and occupancy of sidewalks, must be complied with, and that all hoistways must occupy only such space of the sidewalk as is authorized by special ordinance of the Common Council, passed March 30, 1886, viz.:

"Hoistways may be placed within the sidewalks, but in no case to extend beyond five feet from the house-line, and shall be guarded by iron railings or rods to prevent accidents to passers-by."

You are further notified that all violations now existing of such ordinances must be removed, and that all conditions set forth in permits granted for vault or other purposes must be complied with within sixty days. The special ordinances permitting court-yard inclosures give no right to occupy this space otherwise.

CHARLES H. T. COLLIS, Commissioner of Public Works.

NOTICE TO PROPERTY-OWNERS, BUILDERS, FLAGGERS AND OTHERS.

NOTICE IS HEREBY GIVEN THAT THE practice of placing concrete or other friable curbs on the streets of this city is in contravention of chapter 5, Article XIV, section 251, Revised Ordinances of 1897, which reads: "All curbs-stones \* \* \* shall be of the best hard blue or gray granite." And this Department will find it necessary to prosecute to the full penalty imposed by law persons setting or making such curbs, whether they have been broken or removed the curbs-stones provided by the City or not.

Further notice is given that this Department will in no case entertain claims or damages to concrete or other artificial sidewalks that are caused by repair or setting of hydrants, or by other work which the City does for the general good.

CHARLES H. T. COLLIS, Commissioner of Public Works.

SEALED PROPOSALS WILL BE RECEIVED BY the Committee on Buildings of the Board of Education of the City of New York, at the Annex of the Hall of the Board, No. 58 Broadway, eleventh floor, until 3 o'clock P. M., on Wednesday, July 14, 1897, for Removing Building, Grading Lots, Erecting Fences, etc., on the following-named premises:

No. 114 Hester street, Grammar School No. 7; No. 75 Lewis street, Grammar School No. 88; No. 189 Broome street, Primary School No. 20; No. 318 West Seventeenth street, Grammar School No. 11.

Plans and specifications may be seen, and blank proposals obtained at the Annex of the Hall of the Board, Estimating Room, Nos. 419 and 421 Broome street, top floor.

The attention of bidders is expressly called to the time stated in the contract within which the work must be completed. They are expressly notified that the successful bidder will be held strictly to completion within said time.

The Committee reserve the right to reject any or all of the proposals submitted.

The person submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal.

Two responsible and approved sureties, residents of this city, are required in all cases.

No proposal will be considered from persons whose character and antecedent dealings with the Board of Education render their responsibility doubtful.

It is required, as a condition precedent to the reception or consideration of any proposals, that a certified check upon or a certificate of deposit of one of the State or National banks or Trust Companies of the City of New York, drawn to the order of the President of the Board of Education, shall accompany the proposal to an amount of not less than three per cent. of such proposal when said proposal is for an amount under ten thousand dollars; that on demand, within one day after the awarding of the contract by the Committee, the President of the Board will return all the deposits of checks and certificates of deposits made, to the persons making the same, except that made by the person or persons whose bid has been so accepted; and that if the person or persons whose bid has been so accepted shall refuse or neglect, within five days after due notice has been given that the contract is ready for execution, to execute the same, the amount of the deposit or of the check or certificate of deposit made by him or them shall be forfeited and retained by this Board, not as a penalty, but as liquidated damages for such neglect or refusal, and shall be paid into the City Treasury to the credit of the Sinking Fund of the City of New York; but if the said person or persons whose bid has been so accepted shall execute the contract within the time aforesaid, the amount of his or their deposit of check or certificate of deposit shall be returned to him or them.

EDWARD H. PEASLEE, RICHARD H. ADAMS, DANIEL E. MCSWEENEY, WILLIAM H. HURLBUT, JACOB W. MACK, Committee on Buildings.

Dated New York, July 2, 1897.

POLICE DEPARTMENT.

POLICE DEPARTMENT, NEW YORK, June 30, 1897.

purposes must be complied with within sixty days. The special ordinances permitting court-yard inclosures give no right to occupy this space otherwise.

CHARLES H. T. COLLIS, Commissioner of Public Works.

NOTICE TO PROPERTY-OWNERS, BUILDERS, FLAGGERS AND OTHERS.

NOTICE IS HEREBY GIVEN THAT THE practice of placing concrete or other friable curbs on the streets of this city is in contravention of chapter 5, Article XIV, section 251, Revised Ordinances of 1897, which reads: "All curbs-stones \* \* \* shall be of the best hard blue or gray granite." And this Department will find it necessary to prosecute to the full penalty imposed by law persons setting or making such curbs, whether they have been broken or removed the curbs-stones provided by the City or not.

Further notice is given that this Department will in no case entertain claims or damages to concrete or other artificial sidewalks that are caused by repair or setting of hydrants, or by other work which the City does for the general good.

CHARLES H. T. COLLIS, Commissioner of Public Works.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the Committee on Buildings of the Board of Education of the City of New York, at the Annex of the Hall of the Board, No. 58 Broadway, eleventh floor, until 3 o'clock P. M., on Wednesday, July 14, 1897, for Removing Building, Grading Lots, Erecting Fences, etc., on the following-named premises:

No. 114 Hester street, Grammar School No. 7; No. 75 Lewis street, Grammar School No. 88; No. 189 Broome street, Primary School No. 20; No. 318 West Seventeenth street, Grammar School No. 11.

Plans and specifications may be seen, and blank proposals obtained at the Annex of the Hall of the Board, Estimating Room, Nos. 419 and 421 Broome street, top floor.

The attention of bidders is expressly called to the time stated in the contract within which the work must be completed. They are expressly notified that the successful bidder will be held strictly to completion within said time.

The Committee reserve the right to reject any or all of the proposals submitted.

The person submitting a proposal, and the parties proposing to become sureties, must each write his name and place of residence on said proposal.

Two responsible and approved sureties, residents of this city, are required in all cases.

No proposal will be considered from persons whose character and antecedent dealings with the Board of Education render their responsibility doubtful.

It is required, as a condition precedent to the reception or consideration of any proposals, that a certified check upon or a certificate of deposit of one of the State or National banks or Trust Companies of the City of New York, drawn to the order of the President of the Board of Education, shall accompany the proposal to an amount of not less than three per cent. of such proposal when said proposal is for an amount under ten thousand dollars; that on demand, within one day after the awarding of the contract by the Committee, the President of the Board will return all the deposits of checks and certificates of deposits made, to the persons making the same, except that made by the person or persons whose bid has been so accepted; and that if the person or persons whose bid has been so accepted shall refuse or neglect, within five days after due notice has been given that the contract is ready for execution, to execute the same, the amount of the deposit or of the check or certificate of deposit made by him or them shall be forfeited and retained by this Board, not as a penalty, but as liquidated damages for such neglect or refusal, and shall be paid into the City Treasury to the credit of the Sinking Fund of the City of New York; but if the said person or persons whose bid has been so accepted shall execute the contract within the time aforesaid, the amount of his or their deposit of check or certificate of deposit shall be returned to him or them.

EDWARD H. PEASLEE, RICHARD H. ADAMS, DANIEL E. MCSWEENEY, WILLIAM H. HURLBUT, JACOB W. MACK, Committee on Buildings.

Dated New York, July 2, 1897.

POLICE DEPARTMENT.

POLICE DEPARTMENT, NEW YORK, June 30, 1897.

PUBLIC NOTICE IS HEREBY GIVEN OF THE sale of a Horse, the property of this Department, on Friday, July 16, 1897, at 10 o'clock A. M., by Van Tassel & Kearney, Auctioneers, at their stables, Nos. 130 and 132 East Thirteenth street.

By order of the Board.

WM. H. KIPP, Chief Clerk.

POLICE DEPARTMENT OF THE CITY OF NEW YORK, No. 300 MULBERRY STREET.

TO CONTRACTORS.

PROPOSALS FOR ESTIMATES.

SEALED ESTIMATES FOR SUPPLYING THE Police Department with Stationery and Printing for election purposes will be received at the Central Office of the Department of Police, in the City of New York, until 11 o'clock A. M. of Wednesday, the 14th day of July, 1897.

The person or persons making an estimate shall furnish the same in a sealed envelope, indorsed "Estimates for Furnishing Stationery and Printing," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the estimates received will be publicly opened by the head of said Department and read, and the award of the contract made to the lowest bidder, with adequate security, as soon thereafter as practicable.

For particulars as to the quantity and kind of stationery and printing required, reference must be made to the specifications blank forms of which may be obtained at the office of the Chief Clerk in the Central Department.

Bidders will state a price for the work and material furnished in accordance with the specifications. The price must be written in the bid and stated in figures. Permission will not be given for the withdrawal of any bid or estimate, and the right is expressly reserved by the head of said Department to reject any or all bids which may be deemed prejudicial to the public interests.

No estimates will be accepted from, or a contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

The entire quantity of stationery and printing is to be put up in boxes and delivered at such times and places, and in such quantities in each place, as shall be directed by the Chief of the Bureau of Elections.

The person or persons to whom the contract may be awarded will be required to give security for the performance of the contract in the manner prescribed by law in the sum of Two Thousand Five Hundred Dollars.

Each estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose and is in all respects fair and without collusion or fraud; and that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof or Clerk therein, or other officer of the Corporation is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof.

The estimate must be verified by the oath, in writing, of the party or parties making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite

that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, upon its being so awarded, become bound as sureties for its faithful performance in the sum of one thousand (\$1,000) dollars; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation

may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting, the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

THE BOARD OF POLICE RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, may be obtained by application to the Chief of the Bureau of Elections, at his office in the Central Department.

By order of the Board.

WILLIAM H. KIPP, Chief Clerk.

NEW YORK, June 29, 1897.

that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the



may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Six Hundred (600) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet, as provided by law.

GEO. E. WARING, JR., Commissioner of Street Cleaning.

**PERSONS HAVING BULKHEADS TO FILL, IN** the vicinity of New York Bay, can procure material for that purpose—ashes, street sweepings, etc., such as is collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, in the Criminal Court Building.

GEORGE E. WARING, JR.,  
Commissioner of Street Cleaning

#### FIRE DEPARTMENT.

##### SEALED PROPOSALS FOR FURNISHING ANTHRACITE COAL.

570 tons egg size.  
752 tons stove size.  
1,000 tons nut size.

Will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10:30 o'clock A. M., Friday, July 23, 1897, at which time and place they will be publicly opened by the head of said Department and read.

The coal is to be free-burning, of the first quality of either of the kinds known and mined as follows:

"Scranton," by the Delaware, Lackawanna and Western Railroad Company.  
"Lackawanna," by the Delaware and Hudson Canal Company, or by the New York, Ontario and Western Railroad Company.

"Pittston," by the Pennsylvania Coal Company.  
"Wilkesbarre," by the Lehigh and Wilkesbarre Coal Company.

"Jermyn," by the New York, Susquehanna and Western Railroad Company, or any other free-burning coal.

All to weigh 2,000 pounds to the ton, and be well screened and free from slate.

The bidder must name the particular kind of coal he proposes to furnish, and state where and by whom it is mined.

All of the coal is to be delivered at the various houses, etc., of the Department, in such quantities and at such times as may be from time to time directed, and the same is to be weighed in the presence of a Weighmaster, designated for that purpose by the Department. All as more fully set forth in the specifications to the contract, to which particular attention is directed.

No estimate will be received or considered after the hour named.

The form of the agreement, with specifications, showing the manner of payment for the work, may be seen, and forms of proposals may be obtained at the office of the Department.

Bidders will write out the amount of their estimate in addition to inserting the same in figures.

The award of the contract will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall present the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the supply to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates, if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of Twelve Thousand (12,000) Dollars, and that if he shall omit or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested.

The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Ninety (90) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

JAMES R. SHEFFIELD, O. H. LA GRANGE  
and THOMAS STURGIS, Commissioners.

to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Six Hundred (600) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

JAMES R. SHEFFIELD, O. H. LA GRANGE  
and THOMAS STURGIS, Commissioners.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 30, 1897.

**SEALED PROPOSALS FOR FURNISHING** articles and work, below enumerated, to this Department will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10:30 A. M., Wednesday, July 14, 1897, at which time and place they will be publicly opened by the head of said Department and read.

Fifty (50) Fire-alarm Signal Boxes complete, with Keyless Doors.

No estimate will be received or considered after the hour named.

For information as to the description of the articles to be furnished, bidders are referred to the specifications which form part of these proposals, and to samples which may be seen at the office of the Superintendent of Fire-alarm Telegraph and Electrical Appliances, at these Headquarters.

The form of agreement, with specifications, showing the manner of payment, may be seen, and the form of proposals may be obtained at the office of the Department.

Bidders must write out the amount of their estimates, in addition to inserting the same in figures.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, the said time being Sixty (60) Days after the date of the contract, are fixed and liquidated at the sum of Ten (10) Dollars.

The award of the contracts will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the articles shall present the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

Each bid or estimate shall contain and state the name and place of residence of each of the persons making the same, the names of all persons interested with him or them therein, and if no other person be so interested it shall distinctly state that fact; that it is made without any connection with any other person making an estimate for the same purpose and is in all respects fair and without collusion or fraud, and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of One Thousand and Eight Hundred (1,800) Dollars, and that if he shall omit or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested.

The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of Ninety (90) Dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

JAMES R. SHEFFIELD, O. H. LA GRANGE  
and THOMAS STURGIS, Commissioners.

#### COMMISSIONERS OF THE SINKING FUND.

##### TO CONTRACTORS.

**PROPOSALS FOR FURNISHING MATERIALS AND PERFORMING WORK IN THE ERECTION OF AN ADDITION TO THE PUBLIC BUILDING IN CROTONA PARK, NEAR THIRD AVENUE, IN THE TWENTY-FOURTH WARD OF THE CITY OF NEW YORK, PURSUANT TO CHAPTER 404, LAWS OF 1896.**

Bids for the entire work, only, will be received. SEALED ESTIMATES FOR THE ABOVE work, indorsed with the above title, also with the name of the person or persons making the same, and the date of presentation, will be received at the office of the Comptroller, Rooms Nos. 14 and 15, Finance Department, Stewart Building, No. 26 Broadway, in the City of New York, until 12 o'clock P. M., on Wednesday, July 14, 1897, at which place and hour the bids will be publicly opened by the Commissioners of the Sinking Fund, and read, and the award of the contract, if awarded, will be made to the lowest bidder, with adequate security, as soon thereafter as practicable. The person or persons to whom the contract may be awarded will be required to attend at the office of the Department of Street Improvements of the Twenty-third and Twenty-fourth Wards, with the securities offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect, and in case of failure or neglect so to do, he or they will be considered as having abandoned it and as in default to the Corporation, and thereupon the work shall be readvertised and relet, and so on until the contract is executed; the work to commence at such time as the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards may designate.

N. B.—Permission will not be given for the withdrawal of any bid or estimate, and the right is expressly reserved by the Commissioners of the Sinking Fund to reject all estimates should they deem it to the public interest to do so. No bid will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

Bidders are required to state in their estimates, under oath, their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested they shall distinctly state that fact; also that it is made without any connection with any other person making any bid or estimate for the same purpose, and that it is in all respects fair and without collusion or fraud; and also that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, upon its being so awarded, become bound as sureties for its faithful performance, and that if he shall omit or refuse to execute the same they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be determined by the Comptroller after the award is made and prior to the signing of the contract.

For the nature and extent of the work to be done bidders are referred to the plans and specifications. The plans may be seen at the office of the Architect, Mr. George B. Post, No. 33 East Seventeenth street, New York City.

The entire work is to be completed within one hundred and fifty days after the notice to commence work has been given by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards.

The damages to be paid by the contractor or contractors for each day that the contract or contracts may be unfulfilled after the time specified for the completion thereof shall have expired, are, by a clause in the contract, fixed and liquidated at One Hundred and Fifty Dollars per day.

Bidders will state, in writing, and also in figures, a price for the whole work complete, which price is to cover the furnishing of all necessary materials and labor and the performance of all the work set forth in the plans and specifications and form of agreement.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum (5%) of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect within five days after notice that the contract has been awarded to him to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

The amount of security required is Forty-five Thousand Dollars.

Blank forms of estimates and further information, if desired, also the form of agreement, including the specifications for the work, can be obtained at the office of the Comptroller, No. 26 Broadway.

The plans and detailed drawings can be seen at the office of Mr. George B. Post, Architect, No. 33 East Seventeenth street, where all information relative thereto can be obtained.

New York, July 1, 1897.

WILLIAM L. STRONG, Mayor; JOHN W. GOFF, Recorder; ASHBEL P. FITCH, Comptroller; ANSON G. MCCOOK, Chamberlain; JOHN T. OAKLEY, Chairman, Committee on Finance, Board of Aldermen, Commissioners of the Sinking Fund.

#### STREET IMPROVEMENTS, 23D AND 24TH WARDS.

July 7, 1897.

##### TO CONTRACTORS.

**SEALED BIDS OR ESTIMATES FOR EACH OF** the following-mentioned works, with the title of the work and name of the bidder indorsed thereon, also the number of the work, as in the advertisement, will be received by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, at his office, Third Avenue and One Hundred and Seventy-seventh street, until 11 o'clock A. M. on Monday, July 19, 1897, at which time and hour they will be publicly opened.

No. 1. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND SEVENTY-SIXTH STREET, between Jerome Avenue and the Concourse; IN MOUNT HOPE PLACE, between Jerome Avenue and the Concourse; IN EAST ONE HUNDRED AND SEVENTY-

SEVENTH STREET, between Jerome Avenue and Concourse, AND IN TREMONT AVENUE, between Jerome Avenue and Creston Avenue.

No. 2. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND NINETEENTH STREET (St. James street), between Creston Avenue and Summit north of Morris Avenue.

No. 3. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN CYPRESS AVENUE (Trinity Avenue), between the existing sewer in Southern Boulevard and East One Hundred and Eighty-eighth street, WITH BRANCHES IN EAST ONE HUNDRED AND THIRTY-SIXTH AND EAST ONE HUNDRED AND THIRTY-SEVENTH STREETS, from Cypress Avenue to the Summit West.

No. 4. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN UNION AVENUE, between East One Hundred and Fifty-sixth street and Westchester Avenue.

No. 5. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND SEVENTY-EIGHTH STREET, between Third Avenue and Lafontaine Avenue, AND IN LAFONTAINE AVENUE, between East One Hundred and Seventy-seventh street (Tremont Avenue), and East One Hundred and Eighty-eighth street (Samuel street).

No. 6. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN EAST ONE HUNDRED AND SIXTY-THIRD STREET, from the existing sewer in Sherman Avenue to Morris Avenue, AND IN MORRIS AVENUE, between East One Hundred and Sixty-first street and a point 216 feet north of East One Hundred and Sixty-fourth street, AND IN EAST ONE HUNDRED AND SIXTY-FOURTH STREET, between Grant Avenue and Summit East of Morris Avenue.

No. 7. FOR CONSTRUCTING SEWERS AND APPURTENANCES IN BAINBRIDGE AVENUE, from existing sewer in East Two Hundredth street (Southern Boulevard) to Summit south of East One Hundred and Ninety-eighth street (Travers street).

No. 8. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN TOPPING AVENUE, from the existing sewer in East One Hundred and Seventy-third street to Belmont street.

No. 9. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS, BUILDING APPROACHES AND PLACING FENCES IN DAWSON STREET (One Hundred and Fifty-fifth street), from Westchester Avenue to Leggett Avenue.

No. 10. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS, BUILDING APPROACHES AND PLACING FENCES IN ONE HUNDRED AND NINETY-EIGHTH STREET (Travers street), from Webster Avenue to Jerome Avenue.

No. 11. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS, BUILDING APPROACHES AND PLACING FENCES IN ONE HUNDRED AND EIGHTY-NINTH STREET (Welch street), from Webster Avenue to Fordham Road.

No. 12. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS AND PLACING FENCES IN CLINTON AVENUE, from Crotona Park, North, to East One Hundred and Eighty-second street.

No. 13. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS AND PLACING FENCES IN LORING PLACE, from East One Hundred and Eighty-first street (University Avenue) to Fordham Road.

No. 14. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS AND PLACING FENCES IN ANDREWS AVENUE, from East One Hundred and Eighty-first street (University Avenue) to Fordham Road.

No. 15. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS, LAYING CROSSEWALKS AND PLACING FENCES IN TREMONT AVENUE, from New York and Harlem Railroad to the Transverse Road under the Grand Boulevard and Concourse, and from said Transverse Road to Jerome Avenue.

No. 16. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSSEWALKS IN BROADWAY, now called Crotona Avenue, from Boston Road to the Southern Boulevard.

No. 17. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN BRIGGS AVENUE, between existing sewer in East One Hundred and Ninety-eighth street (Travers street) and East Two Hundredth street (Southern Boulevard).

No. 18. FOR CONSTRUCTING A SEWER AND APPURTENANCES IN CRESON AVENUE, from the existing sewer in East One Hundred and Ninety-eighth street to East One Hundred and Ninety-sixth street.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each bid or estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as sureties for its faithful performance, and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety, in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in a sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

JAMES R. SHEFFIELD, O. H. LA GRANGE  
and THOMAS STURGIS, Commissioners.



Twenty-third and Twenty-fourth Wards reserves the right to reject all bids received for any particular work if he deems it for the best interests of the City.

Blank forms of bid or estimate, the proper envelopes in which to include the same, the specifications and agreements, and any further information desired, can be obtained at this office.

LOUIS F. HAFEN, Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.

#### DEPARTMENT OF BUILDINGS.

DEPARTMENT OF BUILDINGS, No. 220 FOURTH AVENUE, NEW YORK, June 22, 1896.

#### NOTICE TO OWNERS, ARCHITECTS AND BUILDERS.

THE DEPARTMENT OF BUILDINGS HAS established a branch office at junction of Third and Courtland avenues, where all plans for the erection or alteration of buildings above the Harlem river may be submitted and filed.

STEVENSON CONSTABLE, Superintendent Buildings.

#### DEPARTMENT OF DOCKS.

(WORK OF CONSTRUCTION UNDER THE NEW PLAN.)

TO CONTRACTORS. (No. 596.)  
PROPOSALS FOR ESTIMATES FOR FURNISHING SAWED YELLOW PINE TIMBER.

ESTIMATES FOR FURNISHING SAWED YELLOW PINE Timber will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

FRIDAY, JULY 23, 1897.

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Forty-seven Thousand Dollars.

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

#### SAWED YELLOW PINE TIMBER.

1. Yellow Pine Timber, 12" x 14", about 269,675 feet, B. M. 2. Yellow Pine Timber, 12" x 12", about 2,145,600 feet, B. M. 3. Yellow Pine Timber, 10" x 12", about 197,663 feet, B. M. 4. Yellow Pine Timber, 10" x 10", about 5,625 feet, B. M. 5. Yellow Pine Timber, 8" x 16", about 4,267 feet, B. M. 6. Yellow Pine Timber, 8" x 14", about 19,450 feet, B. M. 7. Yellow Pine Timber, 8" x 12", about 16,800 feet, B. M. 8. Yellow Pine Timber, 8" x 10", about 35,200 feet, B. M. 9. Yellow Pine Timber, 7" x 14", about 2,164 feet, B. M. 10. Yellow Pine Timber, 7" x 12", about 26,688 feet, B. M. 11. Yellow Pine Timber, 6" x 12", about 21,000 feet, B. M. 12. Yellow Pine Timber, 5" x 10", about 449,188 feet, B. M. 13. Yellow Pine Timber, 4" x 10", about 2,422,417 feet, B. M. 14. Yellow Pine Timber, 3" x 10", about 312,500 feet, B. M.—Total, about 6,115,637 feet, B. M. measured in the work.

The following table gives the required lengths and the approximate number and pieces of each length, in each dimension or size, to be delivered under this contract to cover the above specified approximate number of feet, board measure, in each dimension.

#### SAWED YELLOW PINE.

	12 in. by 14 in.	12 in. by 12 in.	10 in. by 12 in.	10 in. by 10 in.	8 in. by 16 in.	8 in. by 14 in.	8 in. by 12 in.
35 ft. 0 in. ....	100	..	..	..	..	..	..
32 ft. 0 in. ....	400	..	..	..	..	..	..
32 ft. 6 in. ....	..	..	..	..	..	..	..
30 ft. 0 in. ....	2,500	600	..	..	..	..	..
29 ft. 9 in. ....	..	..	..	..	..	..	..
29 ft. 6 in. ....	..	..	..	..	..	..	..
29 ft. 0 in. ....	600	..	..	..	..	..	..
28 ft. 0 in. ....	1,200	..	..	..	..	..	..
27 ft. 0 in. ....	250	..	..	..	..	..	..
26 ft. 0 in. ....	..	..	..	..	..	..	..
26 ft. 6 in. ....	100	..	..	..	..	..	..
25 ft. 0 in. ....	400	..	..	..	..	..	..
25 ft. 6 in. ....	..	..	..	..	..	..	..
24 ft. 0 in. ....	350	..	..	..	..	..	..
24 ft. 6 in. ....	..	..	..	..	..	..	..
23 ft. 0 in. ....	250	600	50	..	..	..	..
22 ft. 0 in. ....	150	..	..	..	..	..	..
22 ft. 6 in. ....	..	..	25	..	..	..	..
22 ft. 0 in. ....	100	..	..	..	..	..	..
21 ft. 0 in. ....	..	..	..	..	..	..	..
20 ft. 0 in. ....	100	..	..	..	..	..	..
18 ft. 0 in. ....	..	..	..	..	..	..	75
18 ft. 6 in. ....	..	..	..	..	..	..	..
18 ft. 3 in. ....	..	..	..	..	..	..	..
17 ft. 3 in. ....	..	..	..	..	..	..	..
13 ft. 6 in. ....	..	..	..	50	..	..	..
12 ft. 3 in. ....	..	..	..	..	..	..	..
Total pieces....	800	6,300	675	50	20	60	95

	8 in. by 8 in.	7 in. by 14 in.	7 in. by 12 in.	6 in. by 12 in.	5 in. by 10 in.	4 in. by 10 in.	3 in. by 10 in.
35 ft. 0 in. ....	..	..	..	..	..	..	..
32 ft. 0 in. ....	..	..	..	..	..	..	..
32 ft. 6 in. ....	..	..	..	..	..	..	..
30 ft. 0 in. ....	..	..	..	..	..	..	..
29 ft. 9 in. ....	..	..	..	..	..	..	..
29 ft. 6 in. ....	..	..	..	..	..	..	..
29 ft. 0 in. ....	..	..	..	..	..	..	..
28 ft. 0 in. ....	..	..	..	..	..	..	..
27 ft. 0 in. ....	..	..	..	..	..	..	..
26 ft. 0 in. ....	..	..	..	..	..	..	..
26 ft. 6 in. ....	..	..	..	..	..	..	..
25 ft. 0 in. ....	..	..	..	..	..	..	..
25 ft. 6 in. ....	..	..	..	..	..	..	..
24 ft. 0 in. ....	..	..	..	..	..	..	..
24 ft. 6 in. ....	..	..	..	..	..	..	..
23 ft. 0 in. ....	..	..	..	..	..	..	..
22 ft. 0 in. ....	..	..	..	..	..	..	..
22 ft. 6 in. ....	..	..	..	..	..	..	..
21 ft. 0 in. ....	..	..	..	..	..	..	..
20 ft. 0 in. ....	..	..	..	..	..	..	..
18 ft. 6 in. ....	..	..	..	..	..	..	..
18 ft. 3 in. ....	..	..	..	..	..	..	..
17 ft. 3 in. ....	..	..	..	..	..	..	..
13 ft. 6 in. ....	..	..	..	..	..	..	..
12 ft. 3 in. ....	..	..	..	..	..	..	..
Total pieces....	350	10	150	1,500	3,800	20,200	1,000

4 inches by 10 inches plank, random lengths from 12 to 30 feet, to average 18 feet or more, about 750,000 feet, B. M.

3 inches by 10 inches plank, random lengths from 12 to 30 feet, to average 18 feet or more, about 250,000 feet, board measure.

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

1st. Bidders must satisfy themselves, by personal

examination of the locations of the proposed deliveries of the material, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed at the price therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

At least two hundred thousand feet, board measure, of the timber is to be delivered within thirty days, Sundays and holidays excepted, from the date of the contract; the timber is to be delivered at the rate of at least 750,000 feet per month thereafter, and all the timber to be delivered under this contract is to be delivered within 200 days from the date of the award of the contract, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at One Hundred Dollars per day.

Bidders will state in their estimates a price per thousand feet, board measure, for yellow pine timber, to be delivered in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the receiving of the material by the Department of Docks.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for furnishing this material.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them and execute the contract within five days from the date of the service of a notice to that effect, and in case of failure or neglect so to do, he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested the estimate shall distinctly state the fact; also that the estimate is made without any consultation, connection or agreement with and the amount thereof has not been disclosed to any other person or persons making an estimate for the same purpose, and is not higher than the lowest regular market price for the same kind of labor or material, and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or in which the bidder is directly or indirectly interested, or of which the bidder has knowledge, either personal or otherwise, to bid a certain price, or not less than a certain price, for said labor or material, or to keep others from bidding thereon, and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or any other officer or employee of the Corporation of the City of New York, or any of its Departments, is directly or indirectly interested in the estimate, or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder, or anyone in his behalf, with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department, which estimate must be verified by the oath, in writing, of the party making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.

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

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance, and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract over and above all his debts of every nature and over and above his liabilities as bail, surety and otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed unless under the written instructions of the Engineer-in-Chief.

No estimate will be accepted from or contract awarded to any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated NEW YORK, June 17, 1897.

TO CONTRACTORS. (No. 587.)  
PROPOSALS FOR ESTIMATES FOR DREDGING BETWEEN BEHUNE STREET AND WEST TWELFTH STREET, ON THE NORTH RIVER.

ESTIMATES FOR DREDGING ON THE NORTH RIVER, between Bethune and West Twelfth streets, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

TUESDAY, JULY 20, 1897.

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract in the manner prescribed and required by ordinance, in the sum of Twenty-one Thousand Dollars.

The Engineer's estimate of the quantities of materials necessary to be dredged is as follows (in place):

Earth filling in rear of cribwork, about 165,000 cubic yards; Cribwork, about 16,500 cubic yards; Cribwork, not filled in with stone, about 200 cubic yards; old foundation piles, about 1,460.

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed dredging, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks and in substantial accordance with the specifications of the contract. No extra compensation beyond the amount payable for the work before mentioned, which shall be actually performed at the price therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under this contract is to be commenced within five days after receiving a notification from the Engineer-in-Chief of the Department of Docks that any part or portion of the dredging herein mentioned is required. The dredging to be done under this contract will be between Bethune street and West Twelfth street, on the North river, and is to be done, from time to time, and in such quantities and at such times as may be directed by the Engineer, and all work done under this contract is to be fully completed on or before the expiration of sixty days from the date of service of the above-mentioned notification.

The damages to be paid by the contractor for each day that the contract, or any part thereof that may be ordered or directed by the Engineer, may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price for the whole of the dredging to be done, in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder.

All material to be excavated or removed from the area to be dredged will become the property of the contractor, and bidders must estimate the value of such material when considering the price for which they will do the work under this contract.

Bidders will distinctly write out, both in words and in figures, the amount of their estimate for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect, and in case of failure or neglect so to do, he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested, the estimate shall distinctly state that fact; also that the estimate is made without any consultation, connection or agreement with, and the amount thereof has not been disclosed to, any other person or persons making an estimate for the same purpose and is not higher than the lowest regular market price for the same kind of labor or material, and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or in which the bidder is directly or indirectly interested, or of which the bidder has knowledge, either personal or otherwise, to bid a certain price, or not less than a certain price, for said labor or material, or to keep others from bidding thereon; and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or any other officer or employee of the Corporation of the City of New York, or any of its Departments, is directly or indirectly interested in the estimate or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder, or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department; which estimate must be verified by the oath, in writing, of the party making the estimate that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.

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

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance, and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting, the amount in each case to be calculated upon the estimated amount of the work to be done, by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise, and that he

has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed, unless under the written instructions of the Engineer-in-Chief.

No estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated NEW YORK, July 7, 1897.

TO CONTRACTORS. (No. 580.)  
PROPOSALS FOR ESTIMATES FOR DREDGING BETWEEN BANK STREET AND BETHUNE STREET, ON THE NORTH RIVER.

ESTIMATES FOR DREDGING ON THE NORTH RIVER, between Bank and Bethune streets, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

TUESDAY, JULY 20, 1897.

at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Twenty-nine Thousand Dollars.

The Engineer's estimate of the quantities of materials necessary to be dredged is as follows (in place):

Earth filling in rear of cribwork, about 224,000 cubic yards; Cribwork, about 21,700 cubic yards; Cribwork, not filled in with stone, about 200 cubic yards; old Foundation Piles, about 2,600.

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed dredging, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. No extra compensation beyond the amount payable for the work before mentioned, which shall be actually performed at the price therefor, to be specified by



said labor or material, or to keep others from bidding thereon, and also that no member of the Common Council, head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or any other officer or employee of the Corporation of the City of New York, or any of its departments, is directly or indirectly interested in the estimate, or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this department, which estimate must be verified by the oath, in writing, of the party making the estimate that the several matters stated therein are in all respects true. *Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.*

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

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded in each case to be calculated upon the estimated amount of the work to be done by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed unless under the written instructions of the Engineer-in-Chief.

No estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

**THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.**

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated New York, July 7, 1897.

(WORK OF CONSTRUCTION UNDER THE NEW PLAN.)  
**TO CONTRACTORS. (No. 593.)**  
**PROPOSALS FOR ESTIMATES FOR PREPARING FOR, PAVING AND REPAVING THE NEWLY-MADE LAND IN THE VICINITY OF WEST FIFTY-FIRST STREET, NORTH RIVER, WITH SECOND-HAND GRANITE BLOCKS, LAYING CROSSWALKS AND BUILDING THE NECESSARY DRAINS OR SEWERS AND APPURTENANCES.**

**ESTIMATES FOR PREPARING FOR, PAVING AND REPAVING THE ABOVE-DESCRIBED AREA WITH SECOND-HAND GRANITE BLOCKS, LAYING CROSSWALKS AND BUILDING THE NECESSARY DRAINS OR SEWERS AND APPURTENANCES,** will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Per "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

**WEDNESDAY, JULY 14, 1897,** at which time and place the estimates will be publicly opened by the head of said Department. The award of the contract, if awarded, will be made as soon as practicable after the opening of the bids.

Any person making an estimate for the work shall furnish the same in a sealed envelope to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation and a statement of the work to which it relates.

The bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of Three Thousand Five Hundred Dollars.

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

About 233 square yards of old Belgian block pavement to be removed.

About 600 square yards of recently laid granite-block pavement to be taken up and relaid, with cement joints.

About 5,464 square yards of granite-block pavement to be taken up, transported and relaid, with cement joints.

About 1,184 square feet of bridge-stones, to be taken up, transported, recut and set.

About 21,200 gallons of paving cement.

About 758 cubic yards of sand for paving.

About 394 cubic yards of gravel for paving.

About 7,632 pounds of cast-iron silt-basins and covers to be furnished and set.

Three manhole-heads to be furnished and set.

Three brick manholes to be built.

About 310 lineal feet of cast-iron pipe-sewer, with lead joints, to be built; requiring about 21,850 pounds of straight pipe and about 1,700 pounds of tees, and about 110 cubic yards of earth excavation in trench for same.

About 505 lineal feet of blue-stone curbing to be taken up, transported and set.

About 1,721 cubic yards of earth excavation.

Labor of every class and description for about 6,064 square yards of paving, including crosswalks, and labor for curbs and sewer.

**N. B.**—As the above-mentioned quantities, though stated with as much accuracy as is possible in advance, are approximate only, bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

(1) Bidders must satisfy themselves, by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not at any time after the submission of an estimate dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

(2) Bidders will be required to complete the entire work to the satisfaction of the Department of Docks and in substantial accordance with the specifications of the contract and the plans therein referred to. No extra compensation beyond the amount payable for the work before mentioned, which shall be actually performed at the price therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under the contract is to be commenced within five days after the date of the receipt of a notification from the Engineer-in-Chief of the Department of Docks that the work is ready to be begun, and all the work to be done under the contract is to be fully completed within forty-five days after the date of the service of said notification, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the fulfillment thereof has expired are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

All the old material to be removed under this contract by the contractor will be relinquished to the contractor by the Department of Docks.

All surplus material excavated will be removed by the contractor.

Where the City of New York owns the wharf, pier or bulkhead, and the same is not leased, at which materials under this contract are to be loaded or delivered, no charge will be made to the contractor for wharfage upon vessels conveying said materials.

Bidders will state in their estimates a price for the whole of the work to be done in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder. The award of the contract, if awarded, will be made to the bidder who is the lowest for doing the whole of the work and whose estimate is regular in all respects.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing the work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and to execute the contract within five days from the date of the service of a notice to that effect, and in case of failure or neglect so to do he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein, and if no other person be so interested the estimate shall distinctly state the fact; also that the estimate is made without any consultation, connection or agreement with, and the amount thereof has not been disclosed to, any other person or persons making an estimate for the same purpose, and is not higher than the lowest regular market price for the same kind of labor or material, and is in all respects fair and without collusion or fraud; that no combination or pool exists of which the bidder is a member, or in which the bidder is directly or indirectly interested, or of which the bidder has knowledge, either personal or otherwise, to bid a certain price, or not less than a certain price, for said labor or material, or to keep others from bidding thereon, and also that no member of the Common Council, Head of a Department, Chief of a Bureau, Deputy thereof or Clerk therein, or any other officer or employee of the Corporation of the City of New York, or any of its Departments, is directly or indirectly interested in the estimate or in the supplies or work to which it relates, or in any portion of the profits thereof, and has not been given, offered or promised, either directly or indirectly, any pecuniary or other consideration by the bidder or anyone in his behalf with a view to influencing the action or judgment of such officer or employee in this or any other transaction heretofore had with this Department, which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. *Where more than one person is interested it is requisite that the verification be made and subscribed to by all parties interested.*

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

Each estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded in each case to be calculated upon the estimated amount of the work to be done by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him.

Bidders are informed that no deviation from the specifications will be allowed unless under the written instructions of the Engineer-in-Chief.

No estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation, upon

debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

In case there are two or more bids at the same price, which price is the lowest price bid, the contract, if awarded, will be awarded by lot to one of the lowest bidders.

**THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED IF DEEMED FOR THE INTEREST OF THE CORPORATION OF THE CITY OF NEW YORK.**

Bidders are requested, in making their bids or estimates, to use the blank prepared for that purpose by the Department, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be obtained upon application therefor at the office of the Department.

EDWARD C. O'BRIEN, EDWIN EINSTEIN, JOHN MONKS, Commissioners of the Department of Docks.

Dated New York, June 10, 1897.

#### CITY CIVIL SERVICE COMM.

NEW CRIMINAL COURT BUILDING, NEW YORK, July 1, 1897.

**EXAMINATIONS WILL BE HELD AS FOLLOWS:**

Tuesday, July 13, 10 A. M., STOREKEEPERS.

Wednesday, July 14, 10 A. M., ENGINEER INSPECTOR OF PAVING, REGULATING, GRADING, ETC. Candidates must be over eighteen years of age, residents of New York State and citizens of the United States, and will be examined in technical knowledge, writing and arithmetic. Candidates must be thoroughly competent to regulate and grade city streets, to direct and superintend excavations and blasting, filling, dumping, etc., setting pavements and inspection of paving blocks, etc. The salary ranges from \$900 to \$1,200 per annum.

Thursday, July 15, 10 A. M., VISITORS, OUT-DOOR POOR.

Friday, July 16, 10 A. M., MATE.

Monday, July 19, 10 A. M., 1897, ASSISTANT DRAUGHTSMAN, BOARD OF EDUCATION. Salary from \$15 to \$25 per week, dependent upon the ability of the appointee. The duties of this position are those of Architectural Draughtsman, and relate chiefly to new buildings of fireproof construction.

Monday, July 20, 10 A. M., 1897, JUNIOR ASSISTANT DRAUGHTSMAN, BOARD OF EDUCATION. Salary about \$6 per week. Duties similar to those above.

Wednesday, July 21, 10 A. M., ORDERLIES, DEPARTMENT OF CORRECTION. Persons desiring employment as Orderlies in Correction Department should make application for the position of Orderly in the Department of Correction; salary, \$25 per month. Letters of recommendation will be required in all cases.

Candidates must be eighteen years of age or over, residents of New York State, citizens of the United States. Applications may be obtained by addressing S. William Briscoe, Secretary, New Criminal Court Building, New York City.

Examinations will shortly be held for the following positions, for which applicants are desired:

**HYDROGRAPHER IN THE DEPARTMENT OF DOCKS.** Salary ranges from \$900 to \$1,500 per annum.

Applications are desired for the positions of Building Inspectors of Masonry and Building Inspectors of Iron and Steel Construction. Applicants must have at least ten years' experience in their respective lines and be able to read building plans. The salary for Building Inspectors \$1,100 to \$1,800 per annum, and the Inspectors are eligible to advancement to Chief Inspectors of the several branches, the salary of which is from \$1,800 to \$2,500 per annum.

Notice is also given that applications are desired for the position of Inspector of Light, Plumbing and Ventilation in the Building Department.

S. WILLIAM BRISCOE, Secretary.

NEW YORK, July 1, 1897.  
**NOTICE IS GIVEN THAT THE REGISTRATION DAY IN THE LABOR BUREAU WILL BE FRIDAY, and that examinations will take place on that day at 1 P. M.**  
S. WILLIAM BRISCOE, Secretary.

#### TAXES AND ASSESSMENTS.

NEW YORK, July 6, 1897.

**PUBLIC NOTICE IS HEREBY GIVEN BY THE** Commissioners of Taxes and Assessments that the assessment rolls of real and personal estate in said city, for the year 1897, have been finally completed, and have been delivered to the Board of Aldermen of said city, and that such assessment rolls will remain open to public inspection, in the office of the Clerk of said Board of Aldermen, for a period of fifteen days from the date of this notice.

EDWARD P. BARKER, THEODORE SUTRO, JAMES L. WELLS, Commissioners of Taxes and Assessments.

#### DAMAGE COMM.—23-24 WARDS.

**PURSUANT TO THE PROVISIONS OF CHAPTER 537 OF THE LAWS OF 1893, ENTITLED "An act providing for ascertaining and paying the amount of damages to lands and buildings suffered by reason of changes of grade of streets or avenues, made pursuant to chapter 721 of the Laws of 1887, providing for the 'depression of railroad tracks in the Twenty-third and Twenty-fourth Wards, in the City of New York, or otherwise,' and the acts amendatory thereof and supplemental thereto, notice is hereby given, that public meetings of the Commissioners, appointed pursuant to said acts, will be held at Room 58, Scherhorn Building, No. 96 Broadway, in the City of New York, on Monday, Wednesday and Friday of each week, at 2 o'clock P. M., until further notice.**

Dated New York, October 30, 1895.

DANIEL LORD, JAMES M. VARNUM, GEORGE W. STEPHENS, Commissioners.  
LAMONT McLOUGHLIN, Clerk.

#### SUPREME COURT.

In the matter of the application of the Board of Education, by the Counsel to the Corporation of the City of New York, relative to acquiring title by The Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northerly side of FIFTY-FOURTH STREET, between Sixth and Seventh avenues, in the Twenty-second Ward of said city, duly selected and approved by said Board as a site for school purposes under and in pursuance of the provisions of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof.

**WE, THE UNDERSIGNED COMMISSIONERS** of Estimate in the above-entitled matter, appointed pursuant to the provisions of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof, hereby give notice to the owner or owners, lessee or lessees, parties and 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 interested in the lands or 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 Education for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, and who may object to the same, or any part thereof, may, within ten days after the first publication of this notice, July 10, 1897, file their objections to such estimate, in writing, with us, at our office, Room No. 2, on the fourth floor of the Staats-Zeitung Building, No. 2 Tryon Row, in said city, as provided by section 4 of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof, and that we, the said Commissioners, will hear parties so

objecting at our said office, on the 22d day of July, 1897, at 10 o'clock in the forenoon, and upon such subsequent days as may be found necessary.

Third—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held in Part III, in the County Court-house, in the City of New York, on the 6th day of August, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 9, 1897.

JAMES M. VARNUM, GEORGE F. TRUETT, JAMES J. GRADY, Commissioners.  
JOSEPH M. SCHENCK, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening WEST TWO HUNDRED AND SIXTY-FIRST STREET (although not yet named by proper authority), from Riverdale avenue to Broadway, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE**

undersigned, were appointed by an order of the Supreme Court, bearing date the 25th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 25th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, 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 August, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 10, 1897.

LEWIS L. DELAFIELD, THOMAS F. MURRAY, STANLEY W. DEXTER, Commissioners.

HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SIXTY-SEVENTH STREET (although not yet named by proper authority), from Anderson avenue to Marcher avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of 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 25th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 25th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, 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 August, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 10, 1897.

FERDINAND EIDMAN, JR., MAX SELIGMAN, WILLIAM M. LAWRENCE, Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SEVENTY-FOURTH STREET (although not yet named by proper authority), from Third avenue to Fulton avenue, as the same has been heretofore laid out and designated



as a first-class street or road in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 25th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 29th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, 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 August, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 10, 1897.  
JOSEPH KAUFMANN, GEORGE FLINT WARREN, JR., ABRAHAM LINCOLN KOCH, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening LORILLARD PLACE (although not yet named by proper authority), from Third avenue to Pelham avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 25th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 29th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, 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 2d day of August, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 8, 1897.  
JAMES R. ELY, OED. H. SANDERSON, JOHN F. BOULLON, Commissioners.  
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SEVENTY-SECOND STREET (although not yet named by proper authority), from Third avenue to Fulton avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 25th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 29th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, 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 29th day of July, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 7, 1897.  
FIELDING L. MARSHALL, ALVIN SUMMERS, FREDERIC F. COUDERT, JR., Commissioners.  
H. DE F. BALDWIN, Clerk.

In the matter of the application of the Board of Education, by the Counsel to the Corporation of the City of New York, relative to acquiring title by The Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northern side of ONE HUNDRED AND THIRD STREET and the southern side of ONE HUNDRED AND FOURTH STREET, between Madison and Fifth avenues, in the Twelfth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, and the various statutes amendatory thereof.

**WE, THE UNDERSIGNED COMMISSIONERS** of Estimate in the above-entitled matter, appointed pursuant to the provisions of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof, hereby give notice to the owner or owners, lessee or lessees, parties and persons respectively entitled unto 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 interested in the lands or 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 Education for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, and who may object to the same, or any part thereof, may, within ten days after the first publication of this notice, July 6, 1897, file their objections to such estimate, in writing, with us, at our office, Room No. 2, on the fourth floor of the Staats-Zeitung Building, No. 2 Tryon Row, in said city, as provided by section 4 of chapter 191 of the Laws of 1888 and the various statutes amendatory thereof, and that we, the said Commissioners, will hear parties so objecting, at our said office, on the 19th day of July, 1897, at 1 o'clock in the afternoon, and upon such subsequent days as may be found necessary.

Third—That our report herein will be presented to the Supreme Court of the State of New York, at a special term thereof, to be held in Part I, in the County Court-house, in the City of New York, on the 20th day of July, 1897, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 3, 1897.  
EDWARD L. PARRIS, WILLIAM H. BARKER, JOHN FORD, Commissioners.  
JOSEPH M. SCHENCK, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND NINETY-SECOND STREET, formerly Primrose street (although not yet named by proper authority), from Jerome avenue to Kingsbridge road, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road, except so far as the same has been appropriated for St. James place by chapter 626 of the Laws of 1897.

**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, at a special term of said Court, to be held at Part I, thereof, in the County Court-house, in the City of New York, on Monday, the 19th day of July, 1897, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title by The Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening and extending of a certain street or avenue, known as East One Hundred and Ninety-second street, formerly Primrose street, from Jerome avenue to Kingsbridge road, in the Twenty-fourth Ward of the City of New York, being the following-described lots, pieces or parcels of land, viz.: except so far as the same have been appropriated for St. James place by chapter 626 of the Laws of 1897.

**PARCEL "A."**  
Beginning at a point in the eastern line of Jerome avenue distant 2,026.53 feet northerly from the intersection of the northern line of east One Hundred and Eighty-fourth street with the eastern line of Jerome avenue.

1st. Thence northerly along the eastern line of Jerome avenue for 60 feet.  
2d. Thence easterly deflecting 90 degrees to the right for 847.07 feet to the Grand Boulevard and Concourse.  
3d. Thence southerly along the Grand Boulevard and Concourse for 60 feet.

Thence westerly for 847.63 feet to the point of beginning.

**PARCEL "B."**  
Beginning at a point in the eastern line of the Grand Boulevard and Concourse distant 654.36 feet northerly from the angle point at the intersection of the northern line of Fordham road and the eastern line of the Grand Boulevard and Concourse.

1st. Thence northerly along the eastern line of the Grand Boulevard and Concourse for 62.27 feet.  
2d. Thence easterly deflecting 74 degrees 28 minutes 5 seconds to the right for 306.69 feet.  
3d. Thence southerly deflecting 71 degrees 16 minutes 53 seconds to the right for 63.35 feet.

4th. Thence westerly for 343.69 feet to the point of beginning.

East One Hundred and Ninety-second street, from Jerome avenue to Kingsbridge road, is designated as a street of the first class, and is 60 feet wide and is shown on section 17 of the Final Maps and Profiles of the Twenty-third and Twenty-fourth Wards of the City of New York, filed in the office of the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards on December 27, 1895; in the office of the Register of the City and County of New York on

December 29, 1895, and in the office of the Secretary of State of the State of New York on December 29, 1895, and on Section 16 of said Final Maps and Profiles, filed in said Commissioner's office and in said Register's office on November 18, 1895, and in said Secretary of State's office on November 20, 1895.

Dated New York, July 6, 1897.  
FRANCIS M. SCOTT, Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SEVENTY-NINTH STREET (although not yet named by proper authority), from Third avenue to Bronx street, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 8th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 16th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, Nos. 90 and 92 West Broadway, ninth floor, 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 28th day of July, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 3, 1897.  
N. T. M. MELLISS, JOHN F. ROUSAR, G. ARNOLD MOSES, Commissioners.  
H. DE F. BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening ARTHUR AVENUE (although not yet named by proper authority), from East One Hundred and Seventy-fifth street to East One Hundred and Seventy-seventh street, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 7th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 16th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, ninth floor, Nos. 90 and 92 West Broadway, 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 28th day of July, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 3, 1897.  
SAMUEL H. ORIDWAY, JOHN J. QUINLAN, WILLIAM M. LAWRENCE, Commissioners.  
H. DE F. BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SIXTY-FIFTH STREET, (although not yet named by proper authority), from Sheridan avenue to Webster avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-third Ward of 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 8th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 16th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, ninth floor, Nos. 90 and 92 West Broadway, 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 28th day of July, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 3, 1897.  
JAMES L. CONWAY, GABRIEL L. LOWENTHAL, PIERRE V. B. HOES, Commissioners.  
H. DE F. BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND EIGHTY-SECOND STREET (although not yet named by proper authority), from Arthur avenue to Boston road, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 8th day of June, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 16th day of June, 1897, 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 unto 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 therefor, and of performing the trusts and duties required of us by chapter 16, title 5, of the act entitled "An act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the 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, ninth floor, Nos. 90 and 92 West Broadway, 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 28th day of July, 1897, 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 owner, or on behalf of The Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 3, 1897.  
JAMES HIGGINS, JOHN W. FOLEY, EDWARD L. PATTERSON, Commissioners.  
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening FORDHAM ROAD (although not yet named by proper authority), from East One Hundred and Eighty-ninth street to Kingsbridge road, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 14th day of May, 1897, 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 of 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 Mayor, Aldermen and Commonalty 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 City and County of New York on the 19th day of May, 1897, 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 unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and



declare the special and local laws affecting public interest in the City of New York," passed July 1, 1882, and acts or parts of acts in addition thereto or amendments thereof.



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Supervisor.