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DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending June 30, 1895.

DEPARTMENT OF PUBLIC WORKS, COMMISSIONER'S OFFICE, NEW YORK, July 26, 1895.
The Hon. WILLIAM L. STRONG, Mayor.

DEAR SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to make the following report of the transactions of this Department for the quarter ended June 30, 1895:

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations for 1895, raised by immediate taxation (Consolidation Act, section 189).....	\$671,517 89
On account of liabilities on appropriations for preceding years—	
1894.....	12,570 22
1893.....	5,168 83
On account of Local Improvement Fund for Street Improvements, payable by local assessments (Consolidation Act, sections 144 and 150).....	217,987 77
On account of Croton Water Fund for the Extension and Improvement of the Water Supply (Consolidation Act, section 141).....	41,523 35
On account of Additional Water Fund for the Sanitary Protection of the Water Supply (chapter 189, Laws of 1893).....	27,586 25
On account of Fund for Additional High-service Works (chapter 38, Laws of 1892).....	56,436 46
On account of Fund for Harlem River Bridge at Third avenue (chapter 413, Laws of 1892).....	118,020 34
On account of Fund for Harlem River Bridge at First and Willis avenues (chapter 147, Laws of 1894).....	1,285 00
On account of Fund for Bridge over Harlem Ship Canal (chapter 232, Laws of 1892).....	17 91
On account of Criminal Court-house Fund (chapter 371, Laws of 1887).....	43,062 25
On account of Construction of Seventh District Police Court-house (chapter 748, Laws of 1894).....	22,179 00
On account of liabilities on Repavement Fund (chapter 346, Laws of 1889).....	3,399 00
On account of liabilities on Repavement Fund (chapter 35, Laws of 1892).....	9,539 23
On account of Special Fund for Restoring Pavements (Revised Ordinances of 1880, sections 354 to 357).....	24,398 59
On account of Revenue Bonds for water-meters (Consolidation Act, sections 161 and 252).....	1,630 83
On account of paving Avenue A (chapter 516, Laws of 1894).....	313 25
On account of Public Building, Twenty-third and Twenty-fourth Wards—Crotona Park.....	240 00
On account of advertising for all departments.....	31 80
Total for the quarter.....	\$1,256,907 97

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

	Estimated Cost.
29 sewer and basin contracts.....	\$77,535 68
15 regulating, grading and flagging contracts.....	48,068 67
57 paving and repaving contracts.....	547,609 91
9 contracts for fencing vacant lots.....	1,117 24
1 contract for water-mains.....	8,149 00
9 miscellaneous contracts.....	22,250 00
120 contracts; total estimated cost.....	\$704,730 50

Contracts Completed during the Quarter.

	Actual Cost.
17 sewer and basin contracts.....	\$18,161 44
14 regulating, grading and flagging contracts.....	73,732 18
5 paving and repaving contracts.....	6,461 51
4 contracts for fencing vacant lots.....	1,086 18
1 contract for water-mains, etc.....	9,315 28
1 contract for Aqueduct gate-house.....	39,993 35
1 contract for Criminal Court Building.....	38,912 00
8 miscellaneous contracts.....	16,393 64
51 contracts; total cost.....	\$204,055 58

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

In the report of the Chief Engineer hereto appended will be found a record of the rainfall at the five stations at which the Department keeps rain-gauges. The average for the three stations in the Croton watershed for the last quarter is 9.01 inches. For the last six months it is 17.37 inches, which is 4 inches below the average for the first six months of each or any one of the past twenty-five years, and only 1 inch above the driest corresponding season in any year of the past fifty-two.

Until May 18 the natural flow of the Croton river furnished the full supply received through the Aqueduct. From that date to the close of the quarter it had to be supplemented by heavy draughts on the water stored in the Boyd's Corners Reservoir, the Middle Branch Reservoir, the East Branch Reservoir and Croton Lake. For the forty-four days the draughts amounted to 3,610,000,000 gallons, an average of little more than 82,000,000 per day. The available reservoirs and lakes still contained a reserve supply of over 11,000,000,000 gallons, sufficient for 134 days at the same rate of draught.

In the Bronx river watershed the rainfall was even lower, being 8.39 inches for the quarter and 15.67 inches for the six months. The draughts on the two storage reservoirs were continuous and amounted to 562,000,000 gallons for the quarter, an average of over 6,000,000 gallons per day or nearly half the entire supply received from that source.

The Chief Engineer gives the following as the average daily water supply received and distributed:

	APRIL. GALLONS.	MAY. GALLONS.	JUNE. GALLONS.
From Croton river.....	165,000,000	163,000,000	176,000,000
From Bronx river.....	13,500,000	13,000,000	14,000,000
Totals.....	178,500,000	176,000,000	190,000,000

This shows an increase of consumption and waste of 14,000,000 gallons per day in June over May (about eight per cent.), which is evidently due to the advent of summer.

The entire supply from the Croton watershed has come through the New Aqueduct. The Old Aqueduct has been shut off while undergoing changes to receive water at the Cornell Dam, in course of construction by the Aqueduct Commissioners. These changes were completed in May, but the aqueduct is still closed awaiting the completion of the work of enlarging the arch which carries it across Nepperhan avenue in Yonkers. That work will be finished in August.

The Chief Engineer's report gives the details of the work done in the care and repairs of the two aqueducts, the Croton Dam, the city reservoirs and the structures and property connected with them.

Work is still in progress under the contract for the conduit, dam and reservoir to unite the water of the Byram river with the water of the Bronx river at the Kensico reservoir. The conduit is part in open channel and part in tunnel. The tunnel and gate-house are completed, and the construction of the dam is actively progressing. Some of the lands required for this work have not yet come into the possession of the City.

The Department is vigorously pursuing the measures authorized by law for the sanitary protection of the water supply at all its sources. Maps for land along the middle branch of the Croton, in Putnam County, from the storage reservoir to Westchester County line, have been handed to the Law Department to commence legal proceedings for their acquisition. Other maps are in preparation for taking lands around Lakes Mahopac and Kirk, at Mud Pond, and along the Muscoot river. Surveys are in progress for taking lands on the Bronx river, around Croton lake, and at the village of Mount Kisco. Workmen are engaged in clearing lands at that place, along the east branch of the Croton and on Tonetta creek. The electrozone plant for neutralizing the sewage at Brewster is in successful operation. At Mount Kisco the employees of the Department maintain and clean weekly 210 water-tight pans, and similar work is done at the village of Mahopac, at Mahopac Falls, and other aggregations of houses and population.

In extending the water service into new streets and districts, there were laid during the quarter 24,454 lineal feet of 6-inch mains, 10,062 lineal feet of 12-inch mains and 3,920 lineal feet of 20-inch mains. There were also laid for the improvement of the water service in the central and lower part of the city, 7,586 lineal feet of 36-inch mains, 461 lineal feet of 30-inch mains and 176 lineal feet of 48-inch mains. In connection with this work 121 stop-cocks or gates and 112 fire-hydrants were placed.

Since last December, when the 48-inch main in Second avenue, from One Hundred and Twenty-fifth to Forty-second street, was completed, the water service in the central and lower part of the city has been much improved and enlarged. That made it possible to fully open the gates of the 48-inch main in First avenue, which ends and connects at East Broadway and Pike street, and of the 30-inch main in Ninth avenue, from Forty-second to Fourteenth street. The resumption and advancement of work on large mains since the opening of spring has brought further relief and improvement. The gates of the 36-inch main in Third avenue, the Bowery, etc., from Forty-second street to Chambers street, and the large mains in University place, in West Tenth street, Wooster street and Church street, with numerous 12 and 6-inch mains connected therewith, have been fully opened. By raising the gate of the 30-inch main on Broadway, at Canal street, the pressures at Houston street (elevation, 44 feet above mean tide) and at Worth street (elevation, 35 feet) have been equalized.

The so-called low service by gravity, without aid of high service pumping machinery, must supply all parts of the city which range between an elevation of 65 feet above mean tide and the grounds along the water-front and several other locations, which are nearly on the level of the tides. The distributing system must be managed to equalize as nearly as possible the supply and pressure to all parts. No superabundance of supply at the distributing reservoirs can obviate this necessity of careful management.

The Legislature of 1879 limited the sum which could annually be expended for materials, labor and services "in laying pipes to extend and enlarge the distribution of water through the City of New York and in furnishing a sufficient supply thereof to the institutions in charge of the Department of Public Charities and Correction on Blackwell's Island, Ward's Island and Randall's Island," to \$250,000 (chapter 381, Laws of 1879).

With present conditions this limit of appropriation is inadequate, and has been so since the New Aqueduct has come into use. The next Legislature should largely increase this authorization to enable the Department to so enlarge and improve the distributing system that the people shall more fully reap the benefit of increased facilities for bringing an abundant water supply to the city.

The high-service water supply which is pumped at the stations in West Ninety-eighth street and at High Bridge to supply the grounds which are above the elevation at which water can be delivered from the ordinary service, becomes year by year less adequate for the ever-growing population. The ratio of increase in population and building is far greater in these high-service districts than on any other part of Manhattan Island; yet no additions have been made to the pumping engines and their capacity since 1891. Complaints from house-owners and tenants, that their supply and pressures are reduced, have become so numerous that the Department has prepared the following general form of reply:

"In answer to your complaint of diminished supply and pressure of water in your house, which is supplied from the high-service pumping station, I beg to say:

"The present pumping engines are now, and have been for several years, operated to their utmost capacity to keep pace, as nearly as possible, with the increased demands on the service caused by rapid growth in population and buildings in the high-service districts. These growing demands, with the capacity of supply stationary at its maximum, cause a steady decrease of pressure and elevation in the delivery of water, which must continue until the new high-service works, now under construction on aqueduct property at One Hundred and Seventy-ninth street, are completed. It is expected that they will be brought into operation in the summer or autumn of 1896, and the supply will then be doubled, and the elevation of delivery correspondingly increased.

"In addition to this steady decrease, there is a large fluctuation of pressure, caused by waste in houses in very cold or very warm weather. The residents should refrain from this waste. Those who persist in it injure themselves and do an injustice to the honest and careful consumers."

Fair progress has been made on the several contracts for the new pumping station on aqueduct property on the west bank of the Harlem river, between High Bridge and Washington Bridge, and it is confidently expected that these works will be completed and in operation by the late summer or autumn of next year. The capacity of the service will then be doubled, and will be adequate to all demands for some years to come.

During the quarter 720 additional water-meters were placed in houses where water is used for business purposes, to restrain waste, and to enforce penalty for waste by payment of meter rates. There are now 31,503 water-meters in use.

The Chief Engineer of the Croton Aqueduct is charged, in addition to his regular duties, with the general supervision of the construction of bridges over the Harlem river, at Third avenue, and between the head of First avenue and the foot of Willis avenue.

The work on the abutments and approaches of the Third Avenue Bridge is still deferred, awaiting possession of the necessary land. The centre and north piers are finished to high-water mark, and all the piers will be completed in August, when the placing of the iron superstructure will be commenced.

In making searches of titles for land required for the First and Willis Avenue Bridge, it was found that property supposed to be owned by the City is under private ownership, and will have to be purchased or acquired by legal proceedings. Surveys for an amended property map are now in progress.

BUREAU OF WATER PURVEYOR.

On June 7 I submitted to the Board of Estimate and Apportionment a list of streets recommended for repavement, with asphalt, under the appropriation made by the law of 1895, with a report by Mr. Edward P. North, Water Purveyor, fully setting forth the circumstances and reasons which governed the selection of the streets embraced in the report. This special report is hereto appended with the Water Purveyor's quarterly report, Document "E." The total area of streets embraced in the report is 195,025 square yards, and the estimated cost of repavement is \$780,060. A further report and list of streets, to cover the balance of \$1,000,000 appropriated for this year, will be submitted to the Board at an early day. The specifications for asphalt pavement have been revised and broadened so as to invite and admit wider competition for the contracts, and thus insure lower prices; and care is being exercised to guard against a repetition of the loss and inconvenience experienced by the failure of some of the pavements made from this material in the past.

I shall also present to the Board of Aldermen at an early day my report and certificate of the streets to be repaved under the appropriation of \$250,000 made for repavements this year in pursuance of section 321 of the Consolidation Act.

The following is the area of new pavements laid during the quarter, all payable by local assessments on abutting property:

Repavements within land grants—Granite blocks, 5,815.7 square yards.
First pavements on new streets—Granite blocks, 3,976.5 square yards; asphalt, 1,264 square yards; macadam, 3,905.7 square yards—total, 14,961.9 square yards.
The pavement repair force was increased from 128 mechanics, 132 laborers, 39 carts and 2 teams in April to 170 mechanics, 194 laborers, 61 carts and 2 teams in July. This force removed and relaid 61,405 square yards of stone pavements, in addition to which 560 square yards of stone and 620 square yards of asphalt pavement were relaid on orders issued to contractors.

The report of the Water Purveyor gives a detailed account of the operations of private corporations, plumbers and others in the public streets, of which the following are the principal items:

4,350 openings made by plumbers, gas companies, etc.; 9.93 miles of gas mains laid; 1.39 miles of subways and other electric ducts laid; 4,041 lineal feet electric ducts laid by the Police and Fire Departments; 10,840 lineal feet double-rail tracks laid; 575 lineal feet single-rail tracks laid.

The force in the Bureau of Water Purveyor which is engaged in the repairs of water-mains, stop-cocks and fire-hydrants, consists of 38 mechanics, 94 laborers, 16 carts and one team. It replaced during the quarter 302 old fire hydrants with new ones; laid 699 lineal feet of water-mains in place of defective ones; repaired 2,881 hydrants and 301 stop-cocks, and performed many other repairs enumerated in the Water Purveyor's report.

67 public drinking hydrants have been repaired.

OFFICE OF THE ENGINEER IN CHARGE OF SEWERS.

During the quarter 11 contracts for the construction of sewers and 6 contracts for receiving-basins were completed, including 12,565 lineal feet of new sewers and 17 receiving-basins, making a total of 469.90 miles of sewers, with 5,510 receiving-basins in this city.

Work is in progress under 38 contracts for new sewers and 4 contracts for receiving-basins. 1,251 receiving-basins and 27,043 lineal feet of sewers have been cleaned.

The report of the Engineer in Charge of Sewers gives a detailed account of the work done by the mechanics and laborers under his charge.

BUREAU OF STREET IMPROVEMENTS.

The report of the Superintendent of Street Improvements shows that 10 contracts for regulating and grading streets were completed at a total expense of \$86,257. Work was also finished under 18 contracts for flagging, reflagging and curbing sidewalks, involving an aggregate expenditure of \$6,645.20. In fencing vacant lots, 4 contracts were completed at a total cost of \$1,298.64.

Work is in progress under 22 contracts for regulating and grading streets and flagging sidewalks, etc.

The aggregate quantities of work done under the several contracts and other information concerning them are given in the report of the Superintendent of Street Improvements.

BUREAU OF STREETS AND ROADS.

The report of this Bureau for the quarter gives a full account of the work done in maintaining 22 miles of macadam roadways and about 40 miles of unpaved streets.

The limited means at the disposal of the Bureau have been judiciously expended, and strenuous efforts have been made not only to keep the boulevards, roads and avenues under this Bureau in good condition, but also to sprinkle them as frequently as necessary to allay the dust. These roads are not only used for pleasure, driving and bicycle riding, but also for heavy traffic.

BUREAU OF LAMPS AND GAS.

During the quarter 478 new gas-lamps and 117 electric-lamps were erected and lighted, 84 gas-lamps were relighted, and 432 gas-lamps and 1 electric-lamp were discontinued; the number of lamps lighted June 30 being 24,851 gas, 358 naphtha and 2,745 electric, making a total of 27,954.

BUREAU OF REPAIRS AND SUPPLIES.

The pumps of the elevators in the Criminal Court Building have been repaired and readjusted, and arrangements have been made with the Otis Elevator Company to have the elevators inspected bi-monthly and a report of their condition furnished to the Superintendent of Repairs and Supplies.

Repairs have been made in and about the various public buildings in charge of this Bureau, and supplies have been furnished to the several offices requiring them.

Full details of these transactions appear in the report of the Superintendent of Repairs and Supplies.

Between the dates of June 5 and June 17 the free public baths were placed at their respective berths for the bathing season.

BUREAU OF INCUMBRANCES.

During the quarter 1,114 complaints of obstructions were received by this Bureau, 419 seizures and removals of obstructions were made, 2,173 permits to place building material on streets and 434 miscellaneous permits were issued. Three permits to cut down shade-trees were also issued and five notices were served to repair defective vault covers.

DOCUMENT "A."—Showing Titles of Appropriations; Appropriations with Transfers, 1894; Requisitions on 1894 to April 1, 1895; Requisitions on 1894 in Second Quarter, 1895; Balances of 1894 on July 1, 1895; Appropriations with Transfers, 1895; Requisitions, First Quarter, 1895; Requisitions, Second Quarter, 1895; Balances, July 1, 1895; Titles and Expenditures on Trust and Special Accounts, and Receipts of the Department for the First Six Months, 1895.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS INCLUDING TRANSFERS, 1894	REQUISITIONS ON 1894, FROM JAN. 1, 1894, TO APRIL 1, 1895.	REQUISITIONS ON LIABILITIES OF 1894 DURING 2D QUARTER, 1895	BALANCES OF 1894 ON JULY 1, 1895.	APPROPRIATIONS FOR 1895.	REQUISITIONS, 1ST QUARTER, 1895.	REQUISITIONS 2D QUARTER, 1895.	BALANCES, JULY 1, 1895.
Aqueduct—Repairs, Maintenance and Strengthening	\$213,500 00	\$203,940 44	.....	\$9,559 56	\$214,837 00	\$39,320 44	\$44,766 07	\$130,750 49
Aqueduct—Repairs, Maintenance and Strengthening—Salaries	27,850 00	27,492 82	.....	357 18	27,850 00	6,666 54	6,369 32	14,814 14
Boring Examinations for Grading and Sewer Contracts	5,000 00	3,513 00	.....	1,487 00	5,000 00	816 50	941 00	3,242 50
Boulevards, Roads and Avenues, Maintenance of, etc.	90,000 00	89,986 91	.....	13 09	90,000 00	19,204 82	28,439 21	42,355 97
Boulevards, Roads and Avenues, Maintenance of—Salaries	2,500 00	2,499 96	.....	04	2,500 00	624 99	624 99	1,250 02
Bridge over Harlem Ship Canal—Maintenance of	.....	.....	.....	.....	7,500 00	1,132 10	1,315 98	5,051 92
Bronx River Works—Maintenance and Repairs	19,500 00	17,856 33	.....	1,643 67	20,000 00	4,394 61	3,969 50	11,635 89
Bronx River Works—Maintenance and Repairs—Salaries	2,400 00	2,400 00	.....	.....	2,400 00	600 00	600 00	1,200 00
Contingencies—Department of Public Works	4,500 00	3,697 97	.....	802 03	4,500 00	341 62	1,925 85	2,232 53
Flagging Sidewalks and Fencing Vacant Lots in front of City Property	2,200 00	2,184 68	.....	15 32	2,200 00	.....	48 00	1,952 00
Free Floating Baths	18,000 00	15,759 27	.....	2,240 73	18,000 00	1,381 78	7,092 60	9,525 62
Free Floating Baths—Salaries	30,000 00	29,649 00	.....	351 00	30,000 00	2,053 00	5,277 50	22,669 50
Lamps and Gas and Electric Lighting	930,000 00	929,993 86	.....	6 14	980,000 00	155,397 72	242,280 84	582,321 44
Lamps and Gas and Electric Lighting—Salaries	6,500 00	6,494 42	.....	5 58	6,500 00	1,614 95	1,516 23	3,318 82
Laying Croton Pipes	220,000 00	200,955 98	\$7,529 37	11,514 65	216,000 00	3,658 50	51,875 64	160,465 86
Laying Croton Pipes—Salaries	19,710 00	19,048 38	.....	661 62	19,710 00	4,489 77	5,097 75	10,122 48
155th Street Viaduct—Maintenance and Repairs	.....	.....	.....	.....	2,100 00	.....	.....	2,100 00
Public Buildings—Construction and Repairs, including Special Armory Repairs and Plumber and Helper for Criminal Court Building	65,000 00	64,580 86	.....	419 14	75,000 00	6,563 95	12,267 78	56,168 27
Public Drinking-hydrants	2,000 00	1,988 17	.....	11 83	2,000 00	.....	362 11	1,637 89
Public Drinking-hydrants—Salaries	1,200 00	1,200 00	.....	.....	.....	.....	.....	.....
Removing Obstructions in Streets and Avenues, including Rents, etc.	25,000 00	24,990 90	.....	10	23,650 00	3,916 70	3,942 73	15,790 57
Removing Obstructions in Streets and Avenues—Salaries	8,100 00	8,100 00	.....	.....	9,450 00	1,047 58	2,053 71	5,448 71
Repairing and Renewal of Pipes, Stop-cocks, etc.	215,000 00	214,225 11	.....	773 89	202,850 00	48,350 79	53,280 01	*101,234 44
Repairs and Renewal of Pavements, etc.	325,000 00	318,266 82	1,616 71	5,990 67	292,275 00	16,135 42	60,105 71	*216,033 87
Repairs and Renewal of Pavements—Salaries	17,000 00	14,120 21	.....	2,879 79	21,725 00	2,838 00	3,905 50	14,081 50
Repaving Streets and Avenues	250,000 00	189,983 94	3,424 14	59,591 92	250,000 00	.....	.....	250,000 00
Repaving Streets and Avenues—Salaries	13,000 00	12,464 50	.....	535 50	13,000 00	7,422 50	1,562 50	10,025 00
Roads, Streets and Avenues Unpaved, etc.	30,000 00	29,976 44	.....	23 56	30,000 00	1,966 75	9,788 25	18,245 00
Salaries—Department of Public Works	95,000 00	94,998 96	.....	1 04	95,675 00	23,555 53	23,225 23	48,863 24
Salaries—Engineers, Clerks, Inspectors, etc.	64,000 00	62,355 84	.....	1,644 16	76,150 00	15,094 55	18,059 64	42,985 81
Salaries—Consulting Engineer on Pavements, etc.	.....	.....	.....	.....	5,000 00	1,249 98	1,249 98	2,500 04
Sewers—Repairing and Cleaning	100,000 00	99,730 18	.....	269 82	100,000 00	19,499 70	22,804 22	57,636 08
Sewers—Repairing and Cleaning—Salaries	10,000 00	9,703 92	.....	296 08	10,000 00	2,349 98	2,429 98	5,220 04
Sewerage System—Salaries	8,400 00	8,400 00	.....	.....	8,400 00	2,100 00	2,100 00	4,200 00
Street Improvements—For Surveying, Monumenting, etc.	2,800 00	2,748 00	.....	52 00	2,325 00	568 00	417 00	1,340 00
Supplies for and Cleaning Public Offices	170,000 00	169,361 31	.....	638 69	180,325 00	33,723 02	39,048 81	106,953 17
Supplies for and Cleaning Public Offices—Salaries	31,000 00	26,006 99	.....	4,993 01	32,975 00	7,849 46	7,778 26	17,347 28
Supplying Water to Shipping and for Building, etc.—Salaries	10,000 00	9,993 00	.....	7 00	10,000 00	2,324 00	2,056 00	5,590 00
Surveys, Maps, etc., for Street Openings and New Streets—Salaries	7,600 00	7,599 96	.....	04	7,600 00	1,899 99	1,899 99	3,800 02
Water Supply for Twenty-fourth Ward	7,500 00	6,018 46	.....	1,481 54	7,500 00	1,110 29	.....	6,389 71
Water Supply for Twenty-fourth Ward—Salaries	1,200 00	1,200 00	.....	.....	1,200 00	300 00	300 00	600 00
Totals	\$3,050,460 00	\$2,933,406 59	\$12,570 22	\$105,357 39	\$3,105,997 00	\$436,464 53	\$671,517 89	\$1,998,029 82

NOTE.—Requisitions drawn Second Quarter, 1895, on Liabilities of 1889—Repaving, chapter 346, Laws of 1889, §6,847; on Liabilities of 1891—Repaving, chapter 346, Laws of 1889, §2,740.53; on Liabilities of 1893—Repaving, chapter 35, Laws of 1892, §3,618.34; on Liabilities of 1894—Repaving, chapter 35, Laws of 1892, §5,920.89.
*Seven Vouchers of Requisitions were cancelled during Second Quarter of 1895; No. 870 of Requisition 25166, Additional Water Fund, §240.75, Laws of 1894; No. 27, Requisition 25624, Repairs and Renewal of Pavements, etc., §860.52; No. 102, Requisition 25693, Repairing and Renewal of Pipes, Stopcocks, etc., §15.24; No. 71, Requisition 25668, Repairs and Renewal of Pavements, etc., §13.68; No. 712, Requisition 25925, Additional Water Fund, §997.02; No. 738, Requisition 25943, Additional Water Fund, §1,192.25; No. 631, Requisition 25978, Contingencies, Department of Public Works, §14, Laws of 1894.

TITLES OF TRUST AND SPECIAL ACCOUNTS.	BALANCES AND RETURNS OF ARREARS FROM 1894.	RECEIPTS, 1ST QUARTER, 1895.	RECEIPTS, 2D QUARTER, 1895.	APPROPRIATIONS BALANCES, ETC., RECEIPTS TO JULY 1, 1895.	REQUISITIONS, 1ST QUARTER, 1895.	REQUISITIONS, 2D QUARTER, 1895.	BALANCES, JULY 1, 1895.
Croton Water Fund	\$65,241 96	\$41,523 25	.....
Construction of 7th District Police Court	312 00	22,179 00	\$192,509 00
Street Improvement Fund	138,676 44	217,987 77	.....
Restoring and Repaving—Special Fund—Department of Public Works	11,104 33	24,398 59	41,500 22
Water-meter Fund, No. 2	\$10,918 39	\$37,110 25	\$28,980 55	77,009 19	2,736 51	1,630 83	26,605 56
Criminal Court-house Fund	26,963 09	2,105 52	1,904 29	30,972 90	1,137 00	43,062 25	.....
Bridge across Harlem River at 3d Avenue	1,268,566 00	15,380 99	1,135,164 67
Bridge across Harlem Ship Canal at Kingsbridge Road	450,000 00	91,526 09	9,691 15
Bridge across Harlem River, between 1st and Willis Avenues	2,000,000 00	14,694 31	1,984,020 69
Water-main Stock	500,000 00	34,037 68	285,367 72
Additional Water Fund of the City of New York	1,050,000 00	16,128 32	700,423 87
Repaving Avenue A, Chap. 516, Laws of 1894	145,000 00	313 25	144,686 75
Public Building—Twenty-third and Twenty-fourth Wards	100,000 00	240 00	99,760 00

Statement of General Bookkeeper, D. P. W., showing all Revenues of the City received through the Department of Public Works during the First Two Quarters, 1895.

	FIRST QUARTER.	SECOND QUARTER.	FIRST SIX MONTHS.
Water rents	\$489,166 63	\$962,099 71	\$1,451,266 34
Water penalties	2,007 10	7,171 00	3,717 10
Pipe tapping	1,846 00	1,171 00	5,967 00
Sewer permits	4,069 61	7,478 64	11,548 25
Vault permits	32,359 79	56,662 58	89,022 37
Redemption of street obstructions	179 50	308 00	487 50
Work and materials furnished citizens	17,996 66	290 76	18,287 36
Use of road roller	.....	4 50	4 50
Total	\$547,625 23	\$1,032,675 19	\$1,580,300 42

C. T. McCLENACHAN, General Bookkeeper, D. P. W.

DOCUMENT "B."—A Detailed Statement of Expenditures for which Requisitions were drawn on the Comptroller by the Commissioner of Public Works during the Quarter ending June 30, 1895.

Aqueduct—Repairs, Maintenance and Strengthening, 1895—	Aqueduct—Repairs, Maintenance and Strengthening, 1895—
Blacksmithing	Hardware
Boiler compound	Horse-hire
Coal	Lumber
Coal, inspecting and weighing	Making water connections at High
Fire clay	Bridge
Glass	Manure
Grease, etc.	Paints, oils, etc.

SURVEYS AND MAPS FOR STREET OPENINGS.
By section 983 of the Consolidation Act the Department is required to furnish to the Board of Street Opening and Improvement, the Counsel to the Corporation and the Commissioners of Estimate and Assessment in the various proceedings all surveys and maps for laying out, opening or closing any street, establishing or changing any grade on Manhattan Island.

During the quarter three rule maps for the commencement of proceedings were furnished to the Counsel to the Corporation; five draft damage and benefit maps and six final and complete maps and abstracts were furnished the several Commissioners of Estimate and Assessment, and two maps for changing grades of streets were furnished to the Board of Street Opening and Improvement. The several streets are enumerated in the report of the Assistant Engineer in charge of surveys and maps. The several damage and benefit maps included 26,783 city lots.

BUREAU OF WATER REGISTER.

The following is the revenue from the water service collected and paid into the City Treasury during the quarter:

Water rents on houses, \$962,099.71; penalties on water rents, \$1,710; for water supplied to shipping, \$30,806.70; for water supplied for building, \$12,450.68; for water supplied to boilers, etc., \$4,746; for permits to tap water-mains, \$4,121—total, \$1,015,934.09.

MISCELLANEOUS REVENUE.

The Department has collected and paid into the City Treasury the following amounts from miscellaneous sources:

For sewer permits, \$7,478.64; for vault permits, \$56,662.68; for redemption of street obstructions, \$308; for work and material furnished citizens, \$290.76; for restoring pavements over street openings, \$28,980.55; for furnishing and setting water-meters, \$1,904.29—total, \$95,624.92.

The following documents, accompanying this report, give further detailed information regarding the operations of the Department:

- Document A—Statement of appropriations and expenditures.
- Document B—Detailed statement of expenditures.
- Document C—Detailed statement of contracts.
- Document D—Report of Chief Engineer of the Croton Aqueduct.
- Document E—Report of the Water Purveyor.
- Document F—Report of Engineer in Charge of Sewers.
- Document G—Report of Superintendent of Street Improvements.
- Document H—Report of Superintendent of Streets.
- Document I—Report of Superintendent of Lamps and Gas.
- Document K—Report of Superintendent of Repairs and Supplies.
- Document L—Report of Superintendent of Incumbrances.
- Document M—Report of the Water Register.
- Document N—Report of Engineer in Charge of Street Openings.

Very respectfully, WM. BROOKFIELD, Commissioner of Public Works.

Aqueduct—Repairs, Maintenance and Strengthening, 1895—	
Painting dome, etc., at High Bridge	\$200 00
Pay-roll	31,210 23
Pipe yarn	91 01
Pressure gauges	25 60
Repairing engine, pumps, etc.	257 75
Rubber mats	30 80
Rubber hose	120 00
Screenings and sod	250 00
Taxes	1,126 12
Traveling expenses	79 15
Supply of water at Sing Sing	7 47
Total	\$44,766 07

Boring Examinations for Grading and Sewer Contracts, 1895—	
Pay-roll	\$941 00
Boulevards, Roads and Avenues, 1895—	
Gravel	\$2,774 86
Hardware	525 01
Horse-hire	270 00
Pay-roll	23,535 53
Rent of lot, 123d st. near Amsterdam ave.	1,700 00
Repairing sprinklers	133 81
Total	\$28,439 21

Bridge over Harlem Ship Canal, Maintenance of, 1895—	
Coal	\$100 00
Pay-roll	1,215 98
Total	\$1,315 98

Bronx River Works—Maintenance and Repairs, 1895—	
Pay-roll	\$3,924 50
Lumber	45 00
Total	\$3,969 50

Contingencies—Department of Public Works, 1895—	
Atlas, Manhattan Island	\$46 50
Horse-hire	479 75
Money box and Yale lock	6 50
Petty expenses	600 00
Postage stamps	164 20
Repairing typewriter	15 00
Time recorder	130 00
Typewriter	387 00
Traveling expenses	105 90
Total	\$1,925 85

Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1895—	
Pay-roll	\$48 00

Free Floating Baths, 1895—	
Caps and covers	\$58 75
Furniture	27 10
Lumber	97 27
Moving anchors	30 00
Painting baths	1,840 00
Pay-roll	273 00
Repairing baths	62 51
Repairing and building pontoons	2,350 00
Rubber matting	63 00
Small supplies	301 69
Tinsmithing, etc.	345 00
Traveling expenses	31 78
Wharfage	1,612 50
Total	\$7,092 60

Lamps and Gas, 1895—	
Boulevard globes	\$180 00
" tops	175 00
Bronze lamps in front of Mayor's residence	450 00
Expressage	525 00
Fire-alarm lamps	110 00
Gas examinations	471 00
Lamp-irons	104 37
Lettering globes	90 00
Lighting public offices	15,764 33
" lamps	222,064 00
" ship "New Hampshire"	431 42
Pay-roll	426 00
Rent of phonometer stations	240 00
Repairing metal street signs	100 00
Repairing gas-holder, Madison Avenue Bridge	505 04
Signs (metal)	171 00
Street lamps	425 93
Sundry supplies	47 75
Total	\$242,280 84

Public Buildings—Construction and Repairs, 1895—	
Armory, 7th Regiment	\$412 00
" 8th Regiment	437 39
" 9th Regiment	29 40
" 12th Regiment	211 00
" 22d Regiment	79 50
" 69th Regiment	185 92
" 71st Regiment	169 88
Brown-stone Building	931 01
Bureau of Repairs and Supplies	258 08
City Hall	887 07
Court-house, County	825 70
" New Criminal	621 04
" Seventh District	4 95
Court, 1st District Civil	87 09
" 2d District Civil	111 84
" 3d District Civil	184 25
" 4th District Civil	93 61
" 7th District Civil	17 22
" Harlem Police	47 41
" Tombs Police	13 23
Corporation Counsel	15 00
" Attorney	8 05
Common Council	18 00
Hall of Records	1,223 61
Ludlow Street Jail	40 83
Market, Catharine	217 00
" Centre	237 55
" Clinton	123 96
" Essex	16 64
" Fulton	447 86
" Jefferson	10 90
" Tompkins	114 16
" Union	67 48
" Washington	261 07
" West Washington	343 67
Pay-roll	2,873 75
Rivington Street Yard	63 80
Stewart Building	13 20
No. 31 Chambers st.	458 44
No. 5 Duane st.	75 22
Total	\$12,267 78

Laying Croton Pipes, 1895—	
Cast-iron pipes	\$16,913 30
Horse hire	270 00
Laying mains	28,486 03
Making connections	180 00
Pay-roll	\$3,833 74
Stop-cocks, etc.	1,976 47
Traveling expenses	216 10
Total	\$51,875 64

Laying Croton Pipes, 1894—	
Laying mains	\$7,529 37
Public Drinking-hydrants, 1895—	
Repairing hydrants	\$362 11
Removing Obstructions in Streets and Avenues, etc., 1895—	
Horse hire	\$75 48
Pay-roll	1,219 00
Removing obstructions, etc.	2,640 25
Traveling expenses	8 00
Total	\$3,942 73

Repairing and Renewal of Pipes, Stop-cocks, etc., 1895—	
Cast-iron pipe	\$1,792 39
Cement	60 00
Coal	50 00
Coke	70 00
Changing taps	87 36
Dock hydrants	1,150 27
Hardware	803 05
Horse-hire	540 00
Hydrant fenders	262 50
Lumber	38 00
Oils, etc.	49 14
Pay-roll	40,072 36
Repairing hydrants	114 13
Repairing pavements	534 55
Sealing wax	25 00
Stop-cocks, etc.	6,251 01
Sundry supplies	108 00
Tapping-cocks, etc.	1,187 60
Traveling expenses	84 15
Total	\$53,280 01

Repairs and Renewal of Pavements and Regrading, 1895—	
Breaking stone	\$950 00
Bridge-stone	1,139 67
Broken stone	187 00
Cement for paving	2,082 71
Furnishing tools	659 00
Gravel	275 80
Horse hire	540 00
Total	\$39,548 81

Repairs and Renewal of Pavements and Regrading, 1895—	
Maps	\$20 00
Oil	24 77
Pay-roll	51,962 84
Repairing kettles	81 40
" pavements	1,522 37
" tools	540 00
Traveling expenses	120 15
Total	\$60,105 71

Repairs and Renewal of Pavements and Regrading, 1894—	
Breaking stone	\$109 00
Cement	285 00
Repairing pavement	871 71
Wood	360 00
Total	\$1,616 71

Repaving Streets and Avenues, 1894—	
Prince st., from Bowery to Broadway	\$2,772 20
Pearl st., from Whitehall st. to Hanover sq.	651 94
Total	\$3,424 14

Repaving Streets and Avenues, 1893—	
Repaving Battery pl., from Broadway to Greenwich st.	\$968 48
Roads, Streets and Avenues, Unpaved, etc.—	
Pay-roll	\$9,638 25
Rubber hose	150 00
Total	\$9,788 25

Repaving (chapter 35, Laws of 1892), 1894—	
Duane and Reade st., from Centre st. to Park Row	\$580 78
14th st., from Avenue B to 3d ave.	2,439 32
57th st., from 6th ave. to Broadway	1,555 40
34th st., from 1st to Lexington ave.	1,555 88
Pay-roll	189 51
Total	\$5,920 89

Repaving (chapter 35, Laws of 1892), 1893—	
South st., from Whitehall to Corlears st.	\$3,288 88
" " " "	329 46
Total	\$3,618 34

Repaving (chapter 346, Laws of 1889), 1891—	
West st., from Battery pl. to Gansevoort st.	\$2,740 53

Repaving (chapter 346, Laws of 1889), 1889—	
Repairing pavement, 25th st., Broadway, etc.	\$177 20
Repairing pavement, 46th to 47th st., from 6th to 7th ave.	343 60
Repairing pavement, Broad st., from Wall st. to Exchange pl.	137 67
Total	\$658 47

Removal of Old Gate-house at 119th st. and 10th ave., and Construction of a New Gate-house, 1895	\$4,200 35
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For Advertising for all Departments, 1895	\$31 80
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Sewers—Repairing and Cleaning, 1895—	
Cleaning sewers	\$1,072 64
Horse hire	270 00
Manhole heads and covers	539 90
Pay-roll	20,273 00
Rebinding maps	30 50
Relaying asphalt	523 60
Repairing tools	20 53
Sundry supplies	21 50
Traveling expenses	99 55
Tin signs	13 00
Total	\$22,864 22

Street Improvements—For Surveying, Monumenting and Numbering Streets, 1895—	
Pay-roll	\$417 00

Supplies for and Cleaning Public Offices, 1895—	
Armory, 8th Regiment	\$83 00
" 12th Regiment	143 98
" 9th Regiment	24 90
" 22d Regiment	24 90
" 69th Regiment	24 90
" 71st Regiment	116 20
First Naval Battalion	98 00
Bureau of Repairs and Supplies	4,790 44
City Hall	1,346 77
Court-house, County	347 43
" Harlem	131 23
" New Criminal	765 24
Court, 1st District Civil	641 44
" 2d District Civil	8 20
" 3d District Civil	57 95
" 5th District Civil	35 70
" 7th District Civil	23 00
" 8th District Civil	19 00
" City	80 79
" 3d District Police	8 25
" 4th District Police	10 71
" 6th District Police	51 05
" Common Pleas	175 75
" General Sessions	93 59
" Over and Terminer	11 01
" Special Sessions	11 50
" Supreme	88 60
" Tombs	47 85
Department, Building	8 25
" Finance	143 00
" Public Works	248 45
" Street Improvements, 23d and 24th Wards	20 50
Hall of Records	158 30
Office, Commissioner of Jurors	129 83
" Corporation Counsel	127 96
" Common Council	309 00
" Commissioners of Accounts	168 50
" Corporation Attorney	12 30
" Mayor	133 63
" Sheriff	134 50
Pay-roll	28,758 35
Yard, 123d st.	15 00
" 127th st.	6 20
" 56th st.	4 15
" Rivington st.	9 60
Total	\$39,548 81

RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance, etc., 1895	\$44,766 07
Aqueduct—Repairs, Maintenance, etc.—Salaries, 1895	6,369 32
Boring Examinations for Grading, etc., 1895	941 00
Boulevards, Roads and Avenues—Salaries, 1895	28,439 21
Boulevards, Roads and Avenues—Salaries, 1895	624 99
Bridge over Harlem Ship Canal—Maintenance, etc., 1895	1,315 98
Bronx River Works—Maintenance and Repairs, 1895	3,969 50
Bronx River Works—Maintenance and Repairs—Salaries, 1895	600 00
Contingencies—Department of Public Works, 1895	1,925 85
Flagging Sidewalks and Fencing Vacant Lots in Front of City Property, 1895	48 00
For Advertising for All Departments, 1895	31 80

Free Floating Baths, 1895	\$7,092 60
Free Floating Baths—Salaries, 1895	5,277 50
Lamps and Gas, 1895	242,280 84
Lamps and Gas—Salaries, 1895	1,556 23
Laying Croton Pipes, 1895	51,875 64
Laying Croton Pipes—Salaries, 1895	5,097 75
Public Buildings—Construction and Repairs, 1895	7,529 37
Public Buildings—Construction and Repairs, 1895	12,267 78
Public Drinking Hydrants, 1895	362 11
Removal of Old Gate-house at 119th st. and 10th ave., etc., 1895	4,200 35
Removing Obstructions in Streets and Avenues, 1895	3,942 73
Removing Obstructions in Streets and Avenues—Salaries, 1895	2,053 71
Repairing and Renewal of Pipes, Stop-cocks, etc., 1895	53,280 01

Repairs and Renewal of Pavements and Regrading, 1895	\$60,105 71
Repairs and Renewal of Pavements and Regrading—Salaries, 1895	3,905 50
Repairs and Renewal of Pavements and Regrading, 1894	1,616 71
Repaving Streets and Avenues—Salaries, 1895	1,562 50
Repaving Streets and Avenues, 1894	3,424 14
Repaving Streets and Avenues, 1893	968 48
Roads, Streets and Avenues—Unpaved, etc., 1895	9,788 25
Repaving (chapter 35, Laws of 1892), 1894	5,920 89
Repaving (chapter 35, Laws of 1892), 1893	3,618 34
Repaving (chapter 346, Laws of 1889), 1891	2,740 53
Repaving (chapter 346, Laws of 1889), 1889	658 47
Sewers—Repairing and Cleaning, 1895	22,864 22
Sewers—Repairing and Cleaning—Salaries, 1895	2,429 98

Street Improvements—For Surveying, Monumenting, etc., 1895	\$417 00
Sewerage System—Salaries, 1895	2,100 00
Supplies for and Cleaning Public Offices, 1895	39,648 81
Supplies for and Cleaning Public Offices—Salaries, 1895	7,778 26
Supplying Water to Shipping and for Building Purposes—Salaries, 1895	2,086 00
Surveys, Maps, etc., for Street Openings and New Streets—Salaries, 1895	1,899 99
Salaries—Department of Public Works, 1895	23,225 23
Salaries of Engineers, Clerks, etc., 1895	18,069 64
Salary of Consulting Engineer on Pavements, etc., 1895	1,249 98
Water Supply for the 24th Ward—Salaries, 1895	300 00
Total	\$702,226 97

TRUST ACCOUNTS.

Additional Water Fund of the City of New York—	
Building fence wall at Kensico Reservoir	\$570 60
Coal	228 56
Cleaning pans	504 00
Drawing material	144 61
Fencing	683 21
Hardware, etc.	560 19
Horse hire	488 50
Pay-roll	11,830 12
Paints, oils, etc.	205 26
Posts	420 68
Prints	25 20
Professional services	1,255 00
Publishing notices	10,446 45
Repairing engine, etc.	14 97
Salt	88 50
Sundry supplies	90 90
Traveling expenses	270 25
Total	\$27,827 00

Bridge over Harlem River, at Third Avenue—	
Construction of bridge	\$106,127 60
Lease of property, 3d avenue and Harlem river	5,749 95
Pay-roll	2,958 08
Professional services	3,183 81
Total	\$118,020 34

Bridge over Harlem Ship Canal, at Kingsbridge Road—	
Traveling expenses	\$17 91

Bridge over Harlem River, between First and Willis Avenues—	
Pay-roll	\$1,285 00

Construction of Seventh District Police Court and Prison, and Eleventh Judicial District Court—	
Construction, materials, etc.	\$21,867 00
Pay-roll	312 00
Total	\$22,179 00

Croton Water Fund—	
Building reservoir and dam, Byram river	\$11,898 63
Building reservoir, Muscoot branch, Croton river	11,254 50
Horse hire	315 00
Pay-roll	16,826 95
Professional services	375 00

Croton Water Fund—	
Publishing notices	\$16 87
Rent room, Stewart Building, Bronx river proceeding	100 00
Repairing instruments	72 50
Stationery	14 50
Taxes	362 65
Traveling expenses	285 75
Total	\$41,523 35

Criminal Court-house Fund—	
Plumbing, masonry and ironwork, etc.	\$43,062 25

Paving Avenue A (chapter 516, Laws 1894)—	
Pay-roll	\$313 25

Public Buildings—23d and 24th Wards—	
Pay-roll	\$240 00

Restoring and Repaving—Special Fund—	
Pay-roll	\$19,936 36
Repairing pavement	763 86
Restoring pavement	3,698 37
Total	\$24,398 59

Street Improvement Fund—	
Curbing and flagging	\$3,392 98
Fencing	1,253 98
Horse hire	270 00
Paving and crosswalks	45,643 70
Pay-rolls	24,200 54
Regulating, grading, etc.	63,339 39
Sewers and basins	75,108 10
Surveying	4,547 58
Traveling expenses	231 50
Total	\$217,987 77

Water-main Fund—	
Building foundations, etc., for high-service works	\$34,695 21
Cast-iron plate track, placing	450 00
Laying mains	11,809 57
Pay-rolls	3,626 00
Sundry supplies	80 66
Tanks, etc., for High Service Works	5,775 02
Total	\$56,436 46

Water-meter Fund, No. 2—	
Placing water-meters	\$1,630 83

RECAPITULATION OF FUNDS, 1895.

Additional Water Fund of the City of New York	\$27,827 00
Bridge over Harlem River at Third Avenue	118,020 34
Bridge over Harlem Ship Canal at Kingsbridge Road	17 91
Bridge over Harlem River, between First and Willis Avenues	1,285 00
Construction of Seventh District Police Court and Prison and Eleventh Judicial District Court	22,179 00

Croton Water Fund	\$41,523 35
Criminal Court-house Fund	43,062 25
Paving Avenue A	313 25
Public Buildings, 23d and 24th Wards	240 00
Restoring and Repaving—Special Fund	24,398 59
Street Improvement Fund	217,987 77
Water-main Fund	56,436 46
Water-meter Fund, No. 2	1,630 83
Total	\$554,921 75

DOCUMENT "C."—STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter ending June 30, 1895.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
<i>Sewer and Receiving-basin Contracts.</i>		
Sewer in 6th st., between East river and Avenue D (alteration and improvement).....	Patrick Casey	\$8,202 00
Sewer in 86th st., between East river and East End ave. (alteration and improvement).....	"	5,881 00
Sewer in Elm st., between Catharine lane and Leonard st. (alteration and improvement).....	Elmer E. De Camp.....	2,301 50
Sewer in 98th st., between Riverside and West End aves.....	John Kenny.....	2,570 00
Sewer in 105th st., between Riverside and West End aves.....	"	3,389 00
Sewer in 130th st., between Convent ave. and St. Nicholas terrace	James Leeson	6,163 00
Sewer in 99th st., between Riverside and West End aves.....	Rooney & Frawley	3,308 00
Sewer in 110th st., between Amsterdam ave. and Morningside ave., West	James Sibley.....	4,120 00
Sewer in 7th ave., east side, between 138th and 141st sts.	Terence A. Smith.....	5,343 76
Sewer in 6th ave., between 150th and 153d sts.	"	5,377 50
Sewer in Macomb's Dam road, between 140th and 152d sts.	"	4,675 00
Sewer in Macomb's Dam road, between 152d and 154th sts.	"	4,755 00
Sewer in Columbus ave., at 75th st. (alteration and improvement).....	John Farrell	1,230 15
Sewer in 79th st., between West End ave. and Boulevard.....	E. J. McLaughlin	5,000 00
Sewer in 5th ave., between 17th and 18th sts.	Charles E. Cunningham.....	1,030 36
Sewer in 105th st., between Boulevard and West End ave.....	Patrick McKenna.....	959 75
Sewer in Cathedral parkway, between Riverside ave. and Boulevard.....	Thomas Murray.....	2,606 00
Sewer in 70th st., between Riverside and West End aves.....	John Slattery.....	3,185 00
Sewer in West Broadway, between Barclay and Murray sts.....	Cunningham & Kearns.....	1,769 14
Sewer in 4th ave., between 10th and 11th sts.	"	1,433 02
Sewer in 4th ave., between 12th and 13th sts.	Walter J. Ford.....	1,852 00
Receiving-basin in 121st st., south side, at junction of 8th and St. Nicholas		
aves.....		
Receiving-basins northwest corner of 150th st. and southwest corner of		
151st st. and Convent ave.....	John Slattery.....	247 00
Receiving-basin northwest corner of 131st st. and 12th ave.....	Patrick McInerney	359 00
Receiving-basin in 8th ave., west side, about 734½ feet north of 153th st.	Thomas F. Murray	210 00
Receiving-basins northeast corner of Vesey st. and West Broadway and	"	228 00
northeast corner of Vesey and Greenwich sts.....		
Receiving-basin northeast corner of 75th st. and Columbus ave.....	Philip J. Kearns	325 50
Receiving-basins southeast corner of Vesey and Greenwich sts. and north-	"	208 00
east corner of Fulton and Greenwich sts.....		
Receiving-basins north and south sides of 145th st. at railroad wall.....	Sandford & Stillman Co..	371 00
	"	421 00
		\$77,535 68
<i>Regulating, Grading, Curbing and Flagging Contracts.</i>		
Regulating, grading, etc., 158th st., from 11th ave. to New York Central		
and Hudson River Railroad tracks.....	Thomas J. Gillis.....	\$3,737 55
Regulating, grading, etc., College place and Greenwich st., from Chambers		
to Dey st.....	Thomas J. Dunn	2,213 42
Regulating, grading, etc., St. Nicholas terrace, from 127th to 130th st.....	Reilly & Mahony	17,800 00
Regulating, grading, etc., 179th st., from Amsterdam ave. to Kingsbridge		
road		
Regulating, grading, etc., 189th st., from Amsterdam to Wadsworth ave.....	James Flanagan.....	10,410 52
Flagging, etc., 131st st., south side, from St. Nicholas to Amsterdam ave.....	James J. Levins.....	11,178 50
Flagging, etc., 85th st., north side, from 1st to 2d ave.....	John Kenny.....	415 03
Flagging, etc., 178th st., west of St. Nicholas ave.....	"	559 57
Flagging, etc., 119th st., between Lenox and 7th aves.....	"	61 18
Flagging, etc., 85th st., north side, from Amsterdam to West End ave.....	"	422 03
Flagging, etc., Madison ave., east side, from 16th to 117th st.....	John Kenney.....	295 17
Flagging, etc., 65th st., south side, east of Columbus ave.....	Patrick Larney.....	44 09
Flagging, etc., 97th st., south side, from Lexington to Park ave.....	"	101 30
Flagging, etc., 98th st., south side, from Boulevard to West End ave.....	"	143 05
Flagging, etc., 145th st., south side, from Boulevard to Amsterdam ave.....	"	216 26
		460 70
		\$48,068 67
<i>Paving and Repaving Contracts.</i>		
Paving Cherry st., from Jackson to East st. (land grant).....	P. H. McCullagh.....	\$4,650 10
Paving Cherry st., from Jackson to East st.....	"	4,496 10
Paving 158th st., from Amsterdam to St. Nicholas ave.....	"	1,421 75
Paving 160th st., from Amsterdam to St. Nicholas ave.....	"	752 00
Paving 161st st. at its intersection with Amsterdam and St. Nicholas aves.....	"	506 66

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Paving Grand st., from Goerck to East st. (land grant).....	James Pollock.....	\$14,261 20
Paving Grand st., from Goerck to East st. (land grant).....	".....	1,676 20
Paving Houston st., from Lewis to Mangin st. (land grant).....	".....	4,208 74
Paving Houston st., from Lewis to Mangin st. (land grant).....	".....	669 88
Paving Broad st., from Pearl to South st. (land grant).....	".....	8,108 56
Paving Broome st., from Mangin to East st. (land grant).....	".....	8,304 30
Paving Burling Slip and John st., from Pearl to South st. (land grant).....	".....	15,049 30
Paving Catharine st., from Cherry to South st. (land grant).....	".....	5,448 10
Paving Corlears st., from Grand to South st. (land grant).....	".....	11,297 35
Paving East st., from Rivington to Water st. (land grant).....	".....	17,863 75
Paving Front st., from Whitehall to Roosevelt st. (land grant).....	".....	45,771 12
Paving Gouverneur Slip, from Water to South st. (land grant).....	".....	17,588 44
Paving Roosevelt st., from Cherry to South st. (land grant).....	".....	2,963 18
Paving 13th ave., from north side of 16th st. to north side of 17th st. (land grant).....	".....	5,520 33
Paving Wall st., from Pearl to South st. (land grant).....	".....	10,835 10
Paving Water st., from Whitehall to Rutgers st. (land grant).....	".....	49,247 90
Paving Jackson Slip, from Water to South st. (land grant).....	William P. Baird.....	5,046 05
Paving Jackson Slip, from Water to South st. (land grant).....	".....	1,003 00
Paving Peck Slip and Ferry st., from Pearl to South st. (land grant).....	".....	10,498 30
Paving Peck Slip and Ferry st., from Pearl to South st. (land grant).....	".....	1,407 10
Paving Fletcher street, from Pearl to South st. (land grant).....	".....	4,005 23
Paving Gouverneur lane, from Water to South st. (land grant).....	".....	2,037 94
Paving James Slip, from Cherry to South st. (land grant).....	".....	6,900 34
Paving Moore st., from Pearl to South st. (land grant).....	".....	4,366 53
Paving Old Slip, from Pearl to South st. (land grant).....	".....	13,960 05
Paving Oliver st., from Cherry to South st. (land grant).....	".....	2,352 78
Paving Pine st., from Pearl to South st. (land grant).....	".....	4,021 85
Paving Cuyler's alley, from Water to South st. (land grant).....	John G. Smith.....	950 94
Paving Depeyster st., from Water to South st. (land grant).....	".....	2,256 70
Paving Jones lane, from Front to South st. (land grant).....	".....	1,275 90
Paving 13th ave., from Amsterdam ave. to Boulevard.....	William G. Smith.....	6,223 43
Paving 13th ave., from 27th to 30th st. (land grant).....	".....	21,512 00
Paving Avenue A., from 59th to 88th st. (land grant).....	James Quinn.....	142,297 00
Paving 4th ave., east side, from 33d to 34th st. (land grant).....	T. Hugh Boorman.....	1,405 00
Paving 112th st., from 7th to 8th ave. (land grant).....	Warren-Scharf Asphalt.....	8,155 30
Paving 115th st., from Morningside Park, East, to Manhattan ave. (land grant).....	Warren-Scharf Asphalt.....	2,304 40
Paving Convent ave., from 146th to 149th st. (land grant).....	Warren-Scharf Asphalt.....	9,278 50
Paving 67th st., from West End ave. to Hudson river wall.....	Sicilian Asphalt Paving Co.....	3,976 40
Paving 96th st., from Park to 5th ave. (land grant).....	James A. Gearty.....	11,836 15
Paving 103d st., from Park to Madison ave. (land grant).....	".....	2,920 40
Paving 105th st., from Amsterdam to Edgecombe ave. (land grant).....	".....	7,434 00
Paving 106th st., from Amsterdam ave. to Kingsbridge road.....	".....	5,978 25
Paving 108th st., from Amsterdam ave. to Boulevard.....	".....	5,777 50
Paving 109th st., from Amsterdam to 11th ave. (land grant).....	P. H. McCullagh.....	6,288 40
Paving Columbus (Convent) ave., from 126th to 127th st. (land grant).....	".....	8,357 30
Paving 132d st., from 12th ave. to Hudson River Railroad tracks.....	John G. Smith.....	2,091 70
Paving 142d st., from Boulevard to Hudson River Railroad tracks.....	Thomas F. Myers.....	753 70
Paving 136th st., from 5th ave. to Harlem river.....	William P. Baird.....	5,138 10
Laying crosswalks across Barclay and Vesey sts., at east and west sides of Church st. (land grant).....	Dennis W. Moran.....	3,670 65
Laying crosswalks across St. Nicholas and 8th aves., at south side of 121st st. (land grant).....	Thomas J. Dunn.....	220 76
	E. McCrimlisk.....	207 66
		\$547,609 91

Fencing Vacant Lots Contracts.		
Fencing in front of No. 775 First ave. (land grant).....	Patrick Larney.....	\$17 50
Fencing northeast corner of 120th st. and Manhattan ave. (land grant).....	".....	92 58
Fencing 90th st., south side, between Columbus and Amsterdam aves. (land grant).....	".....	90 90
Fencing 81st st., south side, between Boulevard and Amsterdam ave. (land grant).....	".....	178 38
Fencing 96th st., south side, between Madison and Park aves. (land grant).....	".....	41 12
Fencing 89th st., south side, between Columbus and Amsterdam aves. (land grant).....	".....	269 70
Fencing 99th st., north side, 100th st., south side, between Columbus and Amsterdam aves. (land grant).....	".....	167 36
Fencing Lexington ave., west side, between 97th and 98th sts. (land grant).....	Robert C. Winters.....	171 80
Fencing Western Boulevard, east side, between 76th and 77th sts. (land grant).....	".....	87 90
		\$1,117 24

Laying Water-mains Contracts.		
Laying water-mains in Burnside, Boston, St. Nicholas, Morningside, West, Bailey, Manhattan, Lind, Union and Brook aves., and in 96th, 101st, 102d, 107th, 108th, 114th, 132d, 133d, 139th, 147th, 156th, 162d, 164th, 168th and Wolf sts. (land grant).....	John Cornwell, Jr.....	\$8,149 00

Miscellaneous Contracts.		
Furnishing 600 cast-iron lamp-posts.....	M. J. Drummond.....	\$2,919 00
Furnishing 2,000 tons of washed gravel.....	N. W. Godfrey.....	2,800 00
Furnishing electrical time service for New Criminal Court Building.....	E. Howard Warch and Clock Co.....	875 00
Furnishing furniture at New Criminal Court Building.....	Somerville Desk Co.....	3,156 00
Furnishing electrical system, New Criminal Court Building.....	P. K. Lantry.....	750 00
Furnishing carpenterwork, ironwork, etc., at New Criminal Court Building.....	Andrew Galbraith.....	3,400 00
Furnishing 1,500 street-lamps.....	Barlett Street Lamp Mfg. Co.....	2,366 25
	A. F. Brombacher.....	2,368 00
Furnishing 200 boulevard lamps and 1,500 globes.....	Johnson Bros.....	3,615 75
Furnishing and erecting an iron fence on retaining-wall on east side of St. Nicholas terrace, from 130th st. to Convent ave. (land grant).....		\$22,250 00

RECAPITULATION.		
29 Sewer and Receiving-basin Contracts.....		\$77,535 68
15 Regulating, Grading, Curbing and Flagging Contracts.....		48,068 67
57 Paving and Repaving Contracts.....		547,609 91
1 Laying Water-main Contract.....		8,149 00
9 Fencing Vacant Lots Contracts.....		1,117 24
9 Miscellaneous Contracts.....		22,250 00
120 Total.....		\$704,730 50

Contracts Completed.		
NATURE OF WORK.	LOCATION OF WORK.	AMOUNT
Sewer and Receiving-basin Contracts.		
Sewer.....	92d st., between West End and Riverside aves. (land grant).....	\$4,105 00
".....	166th st., between Amsterdam ave. and Edgecombe road.....	2,773 70
".....	117th st., between Amsterdam ave. and Morningside ave., West.....	5,499 22
".....	164th st., between Amsterdam ave. and Edgecombe road.....	7,574 73
".....	Avenue D, between 10th and 13th sts., and in 12th st., between Avenue D and Dry Dock st. (land grant).....	4,819 88
".....	Amsterdam ave., west side, between 173d st. and a point 316.5 feet north of 178th st., and in 175th st., north and south sides, between Amsterdam and Wadsworth aves. (land grant).....	42,428 58
".....	St. Nicholas ave., west side, between 141st and 145th sts., with alteration and improvement to curve at 141st st. (land grant).....	10,311 27
".....	96th st., between 1st ave. and Harlem river.....	727 76
".....	Kingsbridge road, between Dyckman st. and Neagle ave. (land grant).....	42,999 25
".....	St. Nicholas ave., west side, between 119th and 120th sts. (land grant).....	986 15
Excavating rock.....	In sewer trench, 5th ave., between 16th and 17th sts. (land grant).....	531 00
Receiving-basins.....	Northeast and southeast corners of 55th st. and 12th ave. (land grant).....	316 00
".....	121st st., south side, at junction of 8th and St. Nicholas aves. (land grant).....	235 00
".....	Southeast corner of 126th st. and Lenox ave. (land grant).....	186 00
".....	Northeast corner 32d st. and 3d ave. (land grant).....	158 00
".....	Northwest corner of 150th st. and southwest corner of 151st st. and Convent ave. (land grant).....	342 50
".....	Northwest corner of 151st st. and southwest corner of 152d st. and Convent avenue (land grant).....	368 00
		\$18,161 44
Regulating, Grading, Curbing and Flagging Contracts.		
Regulating, grading, etc.....	149th st., from 7th ave. to Harlem river.....	\$1,049 57
".....	131st st., from Park to Lexington ave. (land grant).....	931 06
".....	Lexington ave., from 97th to 102d st. (land grant).....	3,668 00
".....	168th st., from Amsterdam ave. to Kingsbridge road.....	2,890 73
Flagging, etc.....	St. Nicholas terrace, from south side 130th st. to Convent ave. (land grant).....	61,802 99
".....	81st st., south side, between Amsterdam ave. and Boulevard, and Amsterdam ave., west side, south of 81st st. (land grant).....	429 96
".....	151st st., south side, between St. Nicholas and Amsterdam aves. (land grant).....	406 07
".....	1st ave., east side, between 62d and 64th sts. (land grant).....	699 73
".....	119th st., north side, between Lenox and 7th aves. (land grant).....	380 94
".....	85th st., north side, between Amsterdam and West End aves. (land grant).....	337 76
".....	118th st., south side, west of St. Nicholas ave. (land grant).....	58 60
".....	81st st., north side, between West End ave. and Riverside Drive.....	116 60
".....	West End ave., west side, between 79th and 81st sts., and east side, between 78th and 83d sts. (land grant).....	425 02
".....	85th st., north side, between 1st and 2d aves. (land grant).....	535 75
		\$73,732 18
Paving, Repaving and Laying Crosswalks Contracts.		
Paving.....	158th st., from Amsterdam to St. Nicholas ave. (land grant).....	\$1,410 40
".....	160th st., from Amsterdam to St. Nicholas ave. (land grant).....	742 40
".....	102d st., from Columbus to Manhattan ave. (land grant).....	3,880 48

NATURE OF WORK.	LOCATION OF WORK.	AMOUNT.
Laying crosswalks.....	Across 8th and St. Nicholas aves., at south side of 121st st. (land grant).....	\$204 53
".....	Across Western Boulevard, at south side of 152d st. (land grant).....	224 00
		\$6,461 51
Fencing Vacant Lots Contracts.		
Fencing.....	140th st., between 7th and 8th aves. (land grant).....	\$578 80
".....	137th st., north side, between 7th and 8th aves. (land grant).....	268 80
".....	In front of Nos. 11 and 13 West 81st st. (land grant).....	20 00
".....	5th ave., east side, between 119th and 120th sts., and 119th st., north side, between 5th and Madison aves. (land grant).....	218 58
		\$1,086 18
Laying Water-mains Contracts.		
Laying water-mains.....	In Bergen, Union, Kirskside, Eagle and 8th aves., in 111th, 112th, 117th, 131st, 166th and Freeman sts. and in Southern Boulevard.....	\$9,315 28
Miscellaneous Contracts.		
Joiner-work, mason-work, plastering, etc., New Criminal Court-house.....		\$38,912 00
Cast-iron water-pipes, branch pipes and special castings.....		7,599 86
Removal of old gate-house at 10th ave. and 119th st. and construction of new gate-house.....		39,993 35
Dock hydrants, hydrant nozzles, caps, etc.....		1,150 27
Tinsmith work on Free Floating Baths.....		345 00
Carpenter work on Free Floating Baths.....		2,136 00
Painting work on Free Floating Baths.....		1,840 00
Tools and materials for repair gangs.....		659 00
Electrical time service, New Criminal Court Building.....		875 00
Tapping cocks, tapping-cock boxes and plugs.....		1,788 51
		\$95,298 99

RECAPITULATION.		
17 Sewer and Receiving-basin Contracts.....		\$18,161 44
14 Regulating, Grading, Curbing and Flagging Contracts.....		73,732 18
5 Paving and Repaving Contracts.....		6,461 51
4 Fencing Vacant Lots Contracts.....		1,086 18
1 Laying Water-mains Contract.....		9,315 28
10 Miscellaneous Contracts.....		95,298 99
51 Contracts.....		\$204,055 58

DOCUMENT "D."—REPORT OF CHIEF ENGINEER OF CROTON AQUEDUCT.
BUREAU OF CHIEF ENGINEER, NEW YORK, July 10, 1895. WILLIAM BROOKFIELD, Esq.,
Commissioner of Public Works:
DEAR SIR—Attached please find statement of operations of this Bureau for the quarter ending June 30, 1895.

SUMMARY OF EXPENDITURES FOR THE QUARTER ENDING JUNE 30, 1895.			
Additional Water Fund.....	\$196,000 45	Croton Water Fund.....	\$41,532 10
Aqueduct—Repairs, Maintenance and Strengthening.....	44,684 43	Laying Croton Pipes.....	66,262 36
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,369 32	Laying Croton Pipes—Salaries.....	5,133 00
Bridge over Harlem River, between First and Willis Avenues.....	1,292 50	Repairing and Renewal of Pipes.....	17,744 55
Bridge over Harlem River at Third Avenue.....	118,064 34	Engineer—Salaries.....	3,132 98
Bridge over Harlem Ship Canal.....	17 91	Removal of Old Gate-house, Tenth avenue and One Hundred and Nineteenth street.....	4,200 35
Bronx River Works—Maintenance and Repairs.....	3,921 50	Water-main Fund.....	50,442 46
Bronx River Works—Maintenance and Repairs—Salaries.....	600 00	Water-meter Fund, No. 2.....	1,325 80
		Total.....	\$566,724 06

STORAGE RESERVOIRS.
The Croton river furnished a full supply to the aqueducts until May 18, 1895, since which time water has been drawn from storage. There has been no rain-fall that affected the streams since April 15, 1895, and hot and dry weather has been continuous since May 4, 1895.

Storage Drawn during Quarter.		Gallons.
Boyd's Corners Reservoir.....		570,000,000
Middle Branch Reservoir.....		760,000,000
East Branch Reservoir.....		1,880,000,000
Croton Lake.....		400,000,000
Total drawn.....		3,610,000,000

The work on Reservoir "A" is progressing steadily.

STORAGE RESERVOIRS.		Rain-fall—Inches.					
		APRIL.	MAY.	JUNE.	TOTAL FOR QUARTER.	TOTAL FOR SIX MONTHS.	
Boyd's Corners Reservoir.....		5.63	2.41	2.16	10.20	18.78	
Middle Branch Reservoir.....		4.42	1.81	2.98	9.21	18.31	
Kensico Reservoir.....		3.01	1.87	3.51	8.39	15.67	
Croton Dam.....		3.97	1.60	2.05	7.62	15.03	
Central Park Reservoir.....		2.82	2.44	2.01	7.27	14.89	

Which for the six months is four inches below the average of the past twenty-five years and one inch more than the driest year known in the Croton basin.

BRONX AND BYRAM RIVER SUPPLY.		
The regular force has been employed in clearing up along conduit, roads, reservoirs, etc. An average supply of 13,500,000 gallons daily have been furnished uninterruptedly through the conduit.		
Storage Drawn during the Quarter.		
Kensico Reservoir.....		517,000,000 gallons.
Rye Ponds Reservoir.....		45,000,000 "
Total drawn.....		562,000,000 gallons.

The contractor for tunnel, etc., to carry the waters of Byram river to Kensico Reservoir has completed the tunnel and gate-house, and is now actively at work on dam at Byram river and on channelway to Reservoir.

The extra lands along Bear Gutter creek necessary to complete the work have not been acquired. The maps, etc., for same were forwarded to the Counsel to the Corporation for appointment of Commissioners of Appraisal in 1894.

NEW AQUEDUCT.
All of the water furnished to the city has been carried through this aqueduct, the old aqueduct being shut off for changes in same at Cornell's Dam, which were completed in May, and for enlarging arch over Nepperhan avenue, Yonkers, which work will be completed in August.

SANITARY PROTECTION OF WATER-SHEDS.
Maps and description of lands in Putnam County required on the Middle Branch of the Croton river, from Middle Branch Reservoir to the Westchester County line, have been submitted to the Counsel to the Corporation for appointing Commissioners of Appraisal.
The maps of land in Putnam County required around Lake Mahopac, Kirk and Mud Pond, and on the outlets of same and along Muscote river, from Mahopac Falls to Westchester County line, are being prepared as fast as the searches will permit.
Surveys are being made in Westchester County, on the Bronx river, above Kensico Reservoir, around Croton lake and along streams emptying in same, and at Mount Kisco.
Awards have been made and vouchers made out for a portion of the property taken at Carmel, around Lake Gleneida; a small gang of men are at work clearing and fencing lands taken at Mount Kisco; 210 water-tight pans are maintained and cleaned weekly at Mount Kisco.
At Brewsters a gang of men are at work cleaning up property taken on the East Branch of the Croton river, from East Branch Reservoir to Croton Falls and along Tonetta creek, and cleaning out cesspools, etc., in the vicinity. The electrozone plant is continued in operation destroying the sewerage of Brewsters.
At Patterson and Towners a gang of men are employed cleaning up and fencing property taken.
At Carmel a gang of men are employed grading, clearing up and fencing property taken around Lake Gleneida.
At Lake Mahopac a gang of men are cleaning out cesspools, etc., at Village of Mahopac and at Mahopac Falls and vicinity.
The several Commissioners of Appraisal have been taking testimony.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

DIVISION.	Excavation, Cu. Yds.	Stone Quarried, Cu. Yds.	Filling and Grading, Cu. Yds.	Fence Built, Lin. Ft.	Fence Painted, Lin. Ft.	Fence Repaired, Lin. Ft.	Sodding, Sq. Yds.	Drain Pipe Laid, Lin. Ft.	Seeding, Sq. Yds.	Fence Posts Set.	Dry Stone Masonry, Cu. Yds.
First.....	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	.....
Second.....	.....	.....	.....	.....	.....	105	.....	.....	.....	.....	253
Third.....	12	.....	.....	760	.....	125	.....	15	.....	.....	46
Fourth.....	.....	.....	.....	150	.....	650	.....	.....	.....	.....	45
Fifth.....	100	.....	45	600	200	300	30	.....	700	.....	.....
Sixth.....	.....	36	570	700	.....	993	.....	.....	.....	148	19
Seventh.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	86	.....
Eighth.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	112	36	615	2,210	200	2,173	30	15	750	234	363

The above is a summary of the work done along the Croton Aqueduct during the second quarter of 1895. The regular work of taking care of surface of aqueduct, gate-houses, machinery, patrolling reservoirs, cleaning up line, keeping drains and culverts in repair, care of dam and lake, cutting grass, etc., has been carried on.

The work on each division has been as follows:

First Division—The work on this division has been working on highway, cutting bushes and grass along aqueduct and around lake, ploughing and seeding city property near gate-house, necessary work in and about gate-houses.

Second Division—The work on this division has been rebuilding stone wall between ventilators 4 and 5 on east and west sides of aqueduct, repairing fences, cutting grass, cleaning and repairs to crosswalks, drains and culverts.

Third Division—The work on this division has been rebuilding retaining-wall on Aspinwall bank and Ferry bank, with all the necessary excavation, tearing down of old wall and grading, built retaining-wall at mouth of drain-pipe on Kingsland bank, pipe taken up and relaid, capstones on Phelps bank, Pritchard and Ferry bank taken up and reset, grading on Phelps and Aspinwall bank, about 70 telephone poles removed and cut up into fence posts, fences built and repaired, all ironwork at head-house shafts 8, 9, and 11A, and iron plates at 10 and 11B, New Aqueduct, has been painted; repaired a retaining-wall on Hawes bank, cutting grass, cleaning drains and culverts.

Fourth Division—The work on this division has been building a retaining-wall at Hasbuck place and at east side of aqueduct on Maher's place, building and repairing fences, cutting grass, cleaning culverts, drains, gutters and crosswalks.

Fifth Division—The work on this division has been building and repairing and painting fences, filling and grading, sodding at Keeper's house, excavating and baring nigger-heads, grading and seeding, cleaning, painting and papering Keeper's house, spreading gravel, cutting grass, cleaning drains, culverts and gutters.

Sixth Division—The work on this division has been building stone-wall fence, quarrying stone, repaired old stone-wall fence, filling and grading on side banks, set new fence posts, built and repaired fences, cutting grass, cleaning culverts, gutters and drains.

Seventh Division—The work on this division has been care of gate-houses, oiling screws, cleaning reservoir from scum and accumulation; the roadway from Tenth avenue to tower has been graded over, all the excavations around tower where new water-mains were laid have been filled in, lime-stone screenings have been spread on Tenth avenue in front of reservoir and around the tower, also around the engine-house and down the aqueduct to the tower steps; the grass has been cut from all the banks on both sides of the river and hauled away, the walks have been weeded and borders trimmed, the stone walls along the aqueduct have been rebuilt where needed and new wire fence, with new anchors and new posts, has been put up, requiring 86 chestnut posts, 64 anchors, three coils of barbed wire and 1½ coils of plain, new wooden steps in stairway from aqueduct to reservoir roadway, odd jobs of carpenter-work; the tank has been scraped clean and painted, the large iron pipe on bridge is now being scraped and painted, painting tanks and iron work in engine-house, painting fence around Keeper's house and in front of tower, hoisting coal, repairing and painting fences between railroad tracks around High Bridge and along Sedgwick avenue.

Eighth Division—The work on this division has been cleaning and repairs to Central Park and Forty-second Street Reservoirs, gate-houses and outside mains, cleaning, maintenance and repairs of high-service works, Ninth and Tenth avenues gate-houses and grounds; cutting grass around gate-houses and grounds and reservoirs, repairing furnaces at high-service works and working in engine-room at High Bridge, painting bridges on old reservoir, painting iron stairs at south gate-house, making new screens, repairs of bridge on old reservoir and patrolling Central Park reservoirs and pipe lines.

LAYING CROTON PIPES.

Contracts for laying water-mains in the following streets and avenues have been completed during the quarter: from new high-service station to tower and reservoir, High Bridge; Third avenue, between One Hundred and Seventy-sixth and One Hundred and Eighty-third streets; Thirty-seventh street, between First avenue and East river; Bergen avenue, between One Hundred and Forty-seventh street and Brook avenue; Union avenue, between Kelly street and Westchester avenue; Kirkside avenue, between Jerome avenue and Wellesley street; Eagle avenue, between One Hundred and Sixty-first and One Hundred and Sixty-third streets; Eighth avenue, between One Hundred and Twenty-fifth and One Hundred and Fifty-fifth streets; One Hundred and Eleventh street, between Fifth and Lenox avenues; One Hundred and Twelfth street, between Fifth and Lenox avenues; One Hundred and Twelfth street, between Seventh and Eighth avenues; One Hundred and Seventeenth street, between Amsterdam and Morningside avenues, West; One Hundred and Thirty-first street, between Park and Lexington avenues; One Hundred and Sixty-sixth street, between Amsterdam avenue and Edgecombe road; Freeman street, between Union avenue and Southern Boulevard; Southern Boulevard, between Home and Freeman streets. One contract for laying mains has been entered into.

Pipe Laid during Quarter—48-inch, 176 lineal feet; 36-inch, 7,586 lineal feet; 30-inch, 461 lineal feet; 20-inch, 3,920 lineal feet; 12-inch, 10,062 lineal feet; 6-inch, 24,454 lineal feet—total, 46,659 lineal feet.

Stop-cocks Set—48-inch, 1; 36-inch, 4; 30-inch, 1; 20-inch, 8; 12-inch, 22; 6-inch, 85—total, 121.

Hydrants Placed—"A," 103; "No. 1," 9—total, 112.

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

A gang of men have been employed relaying mains, changing taps, repairing stop-cocks, etc., at the following localities: On Randall's Island; Fifth avenue, intersection of Ninth street; Fifth avenue, intersection of Eleventh street; Fifth avenue, between Sixteenth and Eighteenth streets; Second avenue and Harlem river; Sixth avenue, intersection of Tenth street; Boulevard, intersection of One Hundred and Fiftieth street; Tenth avenue, intersection of One Hundred and Forty-seventh street; Tenth avenue, intersection of One Hundred and Forty-eighth street; Tenth avenue, intersection of One Hundred and Forty-ninth street; Tenth avenue, intersection of One Hundred and Sixty-sixth street; Third avenue, between One Hundred and Seventy-sixth and One Hundred and Eighty-first streets; Thirty-fifth street, between Third and Lexington avenues; Forty-first street, between Fifth and Madison avenues; Forty-second street, intersection of Fifth avenue; Forty-second street, between Third and Lexington avenues; Sixty-fifth street, between First avenue and Avenue A; Ninety-seventh street, between Second and Third avenues; Ninety-eighth street, intersection of Columbus avenue; Pearl street, intersection of Park street; Market street, intersection of East Broadway; Broadway, intersection of Canal street; University place, intersection of Tenth street; Washington street, between West Tenth and Charles streets; Stanton street, intersection of Goerck street; Houston street, intersection of Goerck street; Houston street, intersection of Mangin street; Hudson street, intersection of West Tenth street; Hudson street, intersection of West Eleventh street; Hudson street, between West Tenth and West Eleventh streets.

One contract for furnishing tapping-cocks, boxes and plugs, one contract for dock hydrants, etc., and one contract for furnishing pipes, etc., have been completed.

Meters—Number of meters placed during the quarter, 720; number of meters set March 31, 1895, 30,783; number of meters now in use, 31,503.

Taps—Number of taps placed during the quarter, 920.

NEW FIRE-HYDRANTS.

An appropriation for this work to the amount of \$50,000 was made under chapter 510, Laws of 1894. Plans of hydrants, pipe and special castings have been made and bids for furnishing same were opened July 1, 1895.

NEW HIGH-SERVICE WORKS.

The contractor for building foundations, grading grounds, etc., is now completing his work.

Contractor for stand-pipe, etc., has completed same and tests of same are now being made.

Contractor for furnishing and laying mains for connecting the new works with the reservoir and tower at High Bridge, has completed his work; contractor for building engine and boiler house has made good progress.

Contractor for engines, boilers, etc., is building foundations for engines and carrying on the construction of same at shops in East Cambridge, Mass.; will commence to deliver same in September.

Plans and specifications for tunnel under driveway and for tower and pier on Harlem river have been made.

ALTERATION TO THE ARCH OVER NEPPERHAN AVENUE IN YONKERS.

The contractor has commenced work on same which will be completed in August.

CONCRETING AND LINING NORTH DIVISION, OLD RESERVOIR IN CENTRAL PARK.

This work has been actively carried on and will be completed in July.

BRIDGE OVER HARLEM RIVER AT THIRD AVENUE.

The contractor has sunk the caissons for the centre and north piers and built the masonry to high-water mark; will complete all of piers in August and the iron work of draw of bridge will be then commenced.

None of the lands required for the abutments and approaches of this bridge have as yet been obtained.

BRIDGE OVER HARLEM RIVER, BETWEEN FIRST AND WILLIS AVENUES.

As searches have been made of the titles to the property required for this bridge, it has been found that other property that was supposed to belong to the City would have to be obtained; a small party of Engineers are now making the necessary surveys so as to prepare an amended map as called for by the Counsel to the Corporation.

WASTE AND USE OF WATER.

After the 12th of April the use of water became normal. Average use during April—Croton Dam, 165,000,000 gallons per day; Bronx river, 13,500,000 gallons per day—Total, 178,500,000 gallons. Average use during May—Croton river, 163,000,000 gallons per day; Bronx river, 13,000,000 gallons per day—Total, 176,000,000 gallons. The warm and dry weather set in the latter part of May. Average use during June—Croton river, 176,000,000 gallons per day; Bronx river, 14,000,000 gallons per day—Total, 190,000,000 gallons. The completion of the 48-inch Second avenue main, from One Hundred and Twenty-fifth to Forty-second street, in December, 1894, which has been three years in progress on account of the limited appropriations, allowed of the opening in full of the 48-inch First avenue main which extends from the Central Park Reservoir to East Broadway and Pike street, and of the Ninth avenue 30-inch main, from Forty-second to Fourteenth street; the freezing weather stopped further work.

Since spring the 36-inch main, from Forty-second to Chambers street, the University place main, from Fourteenth to Tenth street, the Tenth street main, from Broadway to Hudson street, and the Wooster and Church streets main, from Tenth to Morris street, have been fully opened, and numerous 12-inch and 6-inch mains connecting therewith; the 30-inch main on Broadway, from Houston to Wall street, has been opened at Canal street at one-half.

This equalizes the pressures on the Broadway main at Houston street, elevation 44 feet above city datum, and Worth street, elevation 35 feet above city datum.

As the use increases as the pressures increase, it has been found advisable not to take the water from the higher portions of the low-service supply (elevation 65 feet above city datum) to the lower portions of the city (highest elevation 35 to 40 feet above city datum) any faster than mains are provided from the reservoirs in Central Park to the lower portions of the city.

It has always been the aim to supply the inhabitants with as near an equable pressure as practicable.

As the appropriations are not sufficient to lay all of the small mains required for new houses, and any large amount of large mains per year, I recommend that the Legislature be called upon to allow the expenditure of \$500,000 for this purpose, in addition to the \$250,000 per annum allowed at present.

Yours respectfully, G. W. BIRDSALL, Chief Engineer Croton Aqueduct.

DOCUMENT "E."—REPORT OF THE WATER PURVEYOR.

WATER PURVEYOR'S OFFICE, NEW YORK, July 1, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works.

SIR—I beg to submit the following report of the transactions of the Water Purveyor's Bureau for the quarter ending June 30, 1895:

RECEIPTS.	
For permits for the construction of vaults.....	\$58,483 36
For work and materials.....	292 22
Total.....	\$58,775 58

EXPENDITURES.	
Repairs and Renewal of Pavements and Re-grading, 1894.....	\$756 19
Repairs and Renewal of Pavements and Re-grading, 1895.....	50,846 64
Repairs and Renewal of Pavements and Re-grading—Salaries, 1895.....	3,905 50
Repaving Streets and Avenues, 1893.....	968 48
Repaving Streets and Avenues, 1894.....	3,424 14
Repaving Streets and Avenues—Salaries, 1895.....	1,562 50
Repairing and Renewal of Pipes, Stop-cocks, etc., 1895.....	22,723 62
Public Drinking Hydrants.....	362 11
Repaving (chapter 346, Laws of 1889).....	658 47
Repaving (chapter 346, Laws of 1891).....	2,740 53
Repaving (chapter 35, Laws of 1892 and 1893).....	\$3,618 34
Repaving (chapter 35, Laws of 1894).....	5,920 89
Repaving Avenue A (chapter 516, Laws of 1894).....	313 25
Salary of Consulting Engineer on Pavements and Pavement Work, etc.....	1,249 98
Contingencies—Department of Public Works	9 20
For Advertising for all Departments and County Officers, etc.....	31 80
Street Improvement Fund.....	47,321 96
Restoring and Repaving—Special Fund—Department of Public Works.....	23,616 38
Total.....	\$189,029 98

The above expenditures were for salaries and wages of officers and employees, for work and materials and other necessary expenses.

PERMITS ISSUED.

99 for the construction of vaults; 45 for repairs to vaults; 54 for placing guy-posts; 187 for placing boilers and engines on the streets for builders' purposes; 170 for building fires under tar kettles; 19 for repairs to pavements at expense of applicants.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The force employed on repairs to street pavements averaged as follows: in April, 128 Mechanics, 132 Laborers, 39 carts, 2 teams; in May, 170 Mechanics, 182 Laborers, 59 carts, 2 teams; in June, 170 Mechanics, 194 Laborers, 61 carts, 2 teams.

The work accomplished by this force consisted in taking up and relaying 61,405 square yards of stone pavement. In addition to this, under orders issued by the Commissioner of Public Works to the various asphalt paving companies, 620.5 square yards of asphalt pavement were repaired in places where damaged by bonfires, built upon the streets, and by openings made for repairing fire-hydrants, water-mains, etc. Besides the above there were also 560 square yards of stone-block pavement repaired under an order similar to those given to the asphalt companies, making a total of 62,585.5 square yards of pavement repaired.

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

In April, 39 Mechanics, 94 Laborers, 16 carts, 1 team; in May, 38 Mechanics, 94 Laborers, 16 carts, 1 team; in June, 38 Mechanics, 95 Laborers, 16 carts, 1 team.

The work accomplished by this force is summarized as follows: 302 new fire-hydrants were put in where old ones were taken out, 2,881 fire-hydrants were repaired, 344 new wooden boxes were placed around fire-hydrants, 699 lineal feet of water-mains were renewed, 276 defects in water-mains were repaired, 301 stop-cocks were repaired, 159 stop-cock boxes were set, 313 taps were shut off, 3,953 square feet of flagging were relaid, 1,472 square yards of pavement were repaired.

On the 7th of June orders were given to the different Foremen in charge of the Repair Companies to blow off all the hydrants in their respective districts for the purpose of ridding the pipes of such impurities as might have accumulated in them. This work will be repeated as often as necessity requires.

PUBLIC DRINKING-HYDRANTS.

Public drinking-hydrants were repaired at the following locations: One Hundred and Thirty-ninth street and Eighth avenue; One Hundred and Thirty-fourth street and Madison avenue; Boulevard, between Ninety-fifth and Ninety-sixth streets; Thirty-fourth street and Eleventh avenue; No. 645 Eleventh avenue; No. 1359 Boston road; No. 1681 First avenue; West Farms Square; No. 1679 Third avenue; One Hundred and Sixteenth street and Eighth avenue; Kingsbridge road and One Hundred and Eighty-fifth street; One Hundred and Twenty-fifth street and Manhattan avenue; Twelfth street and Third avenue; No. 745 Second avenue; Seventieth street and First avenue; Twenty-sixth street and First avenue; Ninth avenue and Twenty-fourth street, Eighty-third street and Second avenue; Christopher and Washington streets; One Hundred and Seventy-seventh street, between Third and Railroad avenues; One Hundred and Second street and Second avenue; No. 33 Monroe street; Ogden avenue and Orchard street; First avenue and Seventieth street; First avenue and Seventy-fifth street; Christopher and Washington streets; Grand and Centre streets; One Hundred and Fourteenth street and First avenue; One Hundred and Eleventh street and Madison avenue; One Hundred and Twelfth street and First avenue; Twenty-first street and Seventh avenue; Barrow and Fourth streets; Washington and Gansevoort streets, Broome and Mulberry streets; One Hundredth street and Fifth avenue; One Hundred and Sixty-ninth street and Union avenue; Boulevard and One Hundred and Twenty-second street; One Hundred and Seventy-third street and Eastburn avenue; Elm and Marion streets; One Hundred and Fifty-fifth street and St. Nicholas avenue; Grand and East streets; Pike Slip, Chatham Square; One Hundred and Sixteenth street and Fifth avenue; Sixth avenue and Thirtieth street; No. 330 West street; Broome street, corner of South Fifth avenue; One Hundred and Twelfth street and First avenue; One Hundred and Third street and Third avenue; Ninety-seventh street and Third avenue; Eighty-seventh street and avenue A; One Hundred and Sixteenth street and Second

avenue; Ninety-ninth street and First avenue; First avenue and One Hundred and Seventh street; One Hundred and Sixty-seventh street and Third avenue; Tremont and Franklin avenues; One Hundred and Seventy-seventh street and Third avenue; One Hundred and Twenty-eighth street and Third avenue; Fortieth street and Second avenue, Riverside avenue, 300 feet to the south of Rock avenue; No. 189 Bleeker street; One Hundred and Seventh street and Boulevard; Eighth avenue and Ninety-third street; No. 392 Barrow street.

STREET OPENINGS.

The General Inspector of Street Openings reports the following work as having been done under his supervision: 4,350 openings were made to repair mains other than Croton water-mains, and make repairs and connections for gas, water, sewer and electric lights and subways; 2,172 notices were sent to corporations and others to repair bad pavements over such openings; 1,959 bad places in pavements were repaired in compliance with those notices; 9.93 miles of gas-mains were laid; 1.39 miles of subway and other electrical appliances were laid; 4,041 lineal feet of Police and Fire subsidiary conduits were laid; 15,866 openings in pavements were examined by the Inspectors as regards to condition; \$724 were collected through the reports of Inspectors of Plumbers' Openings as additional money in excess of amounts paid on permits.

Work done in the construction of the Columbus and Ninth Avenue Railroad: 7,640 feet of double track laid, 375 feet of single track laid.

Work done in the construction of the Lexington avenue and Pavia Railroad: 100 feet of double track laid on Twenty-third street at Lexington avenue, 150 feet of double track laid at Twenty-fifth street and Lexington avenue, 600 feet of double track laid on Lexington avenue, from Ninety-eighth to One Hundredth street, 200 feet of double track laid on Lexington avenue, from One Hundred and Fifth to One Hundred and Sixth street, 750 feet of double track laid on Lexington avenue, between One Hundredth and One Hundred and Twentieth streets, 1,400 feet of double track laid on Twenty-third street.

In addition to the above and in connection therewith, the following work was done: 1,400 feet of six-inch water pipes were relaid on Twenty-third street, between Lexington avenue and Broadway, 200 feet of water-main was laid on Lexington avenue, between Twenty-third and Twenty-fourth streets, 60 feet of sewer was built on Twenty-third street at Lexington avenue, 438 feet of sewer was built on Twenty-fifth street, between Third and Lexington avenues, 245 feet of tunnel was built on Twenty-fifth street, between Lexington and Third avenues.

The curbs were reset and the asphalt pavement renewed on Lexington avenue, between Twenty-third and Twenty-fifth streets.

Work done on the Broadway and Seventh Avenue Railroad: 200 feet of single track were laid between Fiftieth and Fifty-first streets, and temporary tracks were put in at the same location, 222 square yards of granite pavement were taken up, 8,800 square yards of macadam pavement were taken up, 76 square yards of asphalt pavement were taken up, 22,502 square yards of granite pavement were relaid; 30,466 square yards of macadam pavement were relaid, 9,165 square yards of new asphalt pavement were laid, 1,700 square yards of new brick pavement were laid.

NEW PAVEMENTS (UNDER CHAPTER 449, LAWS OF 1889).

Under contracts let and awarded at various times, new pavements were laid in the following-named streets:

Streets lying within the limits of grants of land under water.

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Broad street.....	Pearl to South street.....	2,935.25	582.35
James Slip.....	Cherry to South street.....	2,106.52	326.39
Oliver street.....	Cherry to South street.....	772.93	331
Total.....		5,815.70	1,239.74

STREET IMPROVEMENT FUND.

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Thirteenth street.....	Amsterdam avenue to Boulevard.....	2,684.5	812.16
One Hundred and Fifty-eighth street.....	Amsterdam to St. Nicholas avenue.....	688	207
One Hundred and Sixtieth street.....	Amsterdam to St. Nicholas avenue.....	362	108.66
One Hundred and Sixty-first street, int.....	Amsterdam and St. Nicholas avenues.....	242	75
Total.....		3,976.5	1,202.82

With Asphalt.

One Hundred and Second street.....	Columbus to Manhattan avenue.....	1,264	379
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With Macadam.

One Hundred and Eighty-first street.....	Amsterdam to Eleventh avenue.....	3,905.7	814
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On May 22 I had the honor to submit to you a report recommending the paving of certain streets in this city, which report is appended. You forwarded it to the Honorable Board of Estimate and Apportionment, and, after some consideration, the entire report was adopted by the Board.

Table Showing Areas and Lengths of Different Kinds of Pavements in New York City below the Harlem River, July 1, 1895.

KIND OF PAVEMENT.	SQUARE YARDS.	MILES.
Specification granite.....	3,600,432.10	162.10
Square granite.....	588,210.90	20.21
Specification trap.....	1,118,659.53	50.42
Belgian trap.....	1,528,081.60	58.43
Cobble.....	27,719.44	.93
Asphalt.....	1,197,343.15	62.40
Macadam.....	1,031,700.10	22.13
Total.....	9,092,146.82	385.62

Respectfully, EDWARD P. NORTH, Water Purveyor.

REPORT TO HON. WILLIAM BROOKFIELD, COMMISSIONER OF PUBLIC WORKS, ON PAVEMENTS, BY EDWARD P. NORTH, WATER PURVEYOR. MAY 22, 1895.

Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:

SIR—I have the honor to submit the following estimate of advisable expenditures for asphalt pavements on the streets of the City of New York for the current year. The total is 197,905 square yards at an estimated cost of \$791,532. This proposal is in conformity with your general instructions to expend the public money for the greatest public good, by providing asphalt pavements in the poorer and more densely populated portions of the city and on streets that are likely to become great thoroughfares. The larger sum is expended for asphalt pavements instead of granite and trap pavements, and the money is expended either in the service of the poorer portion of the community or in the service of all by increasing the facilities for communication between all parts of the city.

Somewhat over 63 per cent. of the pavements relaid since and including 1889, have been granite or trap pavements, and rather less than 37 per cent. asphalt. Of the 1,196,079 square yards of asphalt pavements now laid in this city, between 60 and 70 per cent. has been laid in the area bounded by Fourth street on the south, Third avenue on the east, on the west by Seventh avenue to Fifty-ninth street, and thence north along the Hudson river. These boundaries somewhat roughly include the habitations of the wealthier portion of our population.

It will be noticed by reference to the accompanying map that most of the asphalt in this region has been laid in short lengths, which do not average, in the cross streets, a block and a half long; there being over 60 separate pieces a full block or less in length. Some of these are without connection with other asphalted streets, so that much of the work done in this area has been a matter of luxury and convenience to those living on such streets, and is not calculated to appreciably affect either the death-rate or the general health of the city, and its utility where it cannot be incorporated in a general scheme is practically confined to the immediate vicinity in which it is laid.

In the project now submitted the only region favored is that occupied by our wage-earning population, and, aside from this, nothing has been incorporated that does not serve large areas and all classes of people. The principle has been to continue the very necessary work, in a sanitary point of view, commenced under your predecessor, mainly through the efforts of your Consulting Engineer, Mr. Towle, of asphaltizing the streets in the overcrowded districts east of the Bowery, to which is added the populous regions about the Five Points. In addition to this, streets have been selected for asphalt pavement that will extend the present lines of transportation and open routes across the city which will cheapen the delivery of goods and give comfortable access to some of the more important ferries. In all of this it is not proposed to take up or cover any of the pavements laid within the past six years under special laws. All of the proposed pavements are on streets that require repaving. Apparently desirable routes have been neglected because they would include streets which are newly paved or those containing car tracks. The streets that are recommended for asphalt pavements are shown on the accompanying map in red, and are mentioned in detail at the close of this report. It will be seen that 2.4 per cent. of the proposed work is south of Chambers street, in the business part of the city; that 40.7 per cent. is in regions east of Centre street and south of First street, and 57 per cent. is devoted to through routes. Of this only 22.3 per cent. is in that division of the city which contains between 60 and 70 per cent. of the asphalt now laid. So that in fact 84.7 per cent. of the proposed new work will be where most needed for

sanitary purposes in the lower parts of the city. To summarize these recommendations: Laying an asphalt pavement on Nassau street will relieve the very crowded sidewalks of that street, and the asphalted streets about Wall street will be almost connected with those north of Chambers street. Asphalt pavements will be brought near to South, Fulton and Catherine Ferries, Grand Street Ferry being already provided for. A continuous line is laid out from the corner of Centre and Park streets at one point and the New Criminal Court-house at the other, connecting with nearly all asphalted streets on the east side as far as Eighty-sixth street, and on the west as far as One Hundred and Nineteenth street. Nearly all of the densely populated district east of Centre street and south of First street will be asphalted, so that pavements there can be thoroughly cleansed.

A route through Greenwich avenue, Ninth street (utilizing the asphalt pavement already laid), and Stuyvesant street, connects Eighth avenue and the Boulevard with the asphalt pavement in Fifth avenue and the Second avenue system. Going south and west from the end of the asphalt in Fifth avenue, one line through Washington place and Barrow street connects with the Christopher Street Ferry, and another through Macdougall and Spring streets brings a good carriageable road in proximity to the Desbrosses Street Ferry, the landings of the Hudson river boats and of many foreign steamers. The route combining portions of Twenty-first and Twenty-second streets utilizes a considerable length of asphalted streets and serves the important ferries on the east and west ends of Twenty-third street. The extension of the asphalted pavement now on Fortieth street to near the Hudson river is in the service of people using the Forty-second Street Ferry and the Grand Central Railroad station. The extension west and east of the Fifty-eighth street asphalt makes a through ambulance route in the service of the many hospitals between Ninth and Tenth avenues, while the extensions through East Seventy-first street, with its north and south connections, performs the same office for the hospitals and homes in that neighborhood and lacks only 200 feet of connecting them all with the Seventy-second street entrance to the Central Park. The extension of the Boulevard makes the asphalted length of that thoroughfare, counting from Thirteenth street, about 5.15 miles long.

Replacing our worn-out stone pavements with asphalt laid on them presents the most economical solution of a very serious problem confronting you and the whole city. The cost of a granite pavement laid on concrete averaged last year \$3.14 per square yard, while asphalt pavement averaged \$3.80, but this cost included keeping such pavements in repair for fifteen years, and turning over to the city a good pavement at the end of that period. The granite pavements, on the other hand, were only guaranteed for six months, and under the heavy traffic of Broadway we have seen a granite pavement badly dilapidated in three years. It seems that as a financial measure there is sound economy in replacing our worn-out pavements with asphalt, both in the matter of ultimate cost and also in view of the fact that through high rents in streets that are paved with asphalt, with cheaper transportation and the greatly reduced cost of street sweeping (and you know about twice as much is appropriated for street cleaning as for repaving streets), the saving from asphalt pavements cannot be put at less than 10 per cent., while the City can borrow money at 3 per cent.

It is, however, as a sanitary appliance that an asphalt pavement presents the greatest value. It is nearly a non-absorbent, is free from cracks that offer lurking places for disease germs, and can be thoroughly washed whenever it is thought advisable.

It is thought there will be no substantial objection to increasing the area covered with such easily cleaned pavements in the more thickly populated districts, at least until these districts have their fairly proportionate area of impervious pavements. Persons living in tenement-houses are often uninformed as to the value of cleanly surroundings. Their children spend a large part of their time on the pavements, and during the hot nights of summer the whole family pass the evening there. In such cases, where stone pavements are habitually greasy, the menace to infant and adult life must be a very serious one. In addition to the easily ascertained bills of mortality resulting from unsanitary surroundings, there is an unknown and often unrecognized loss from sickness. Where that strikes the bread-winner, particularly in the districts under consideration, the result is apt to be pinching want and hunger. Nor is the result less disastrous when the mothers are seriously sick.

Leaving the streets that swarm with the children of our poorest population paved with rough stones, the intersections between which are filled with disease-breeding filth, while the streets bordering on Fifth avenue are paved with asphalt, does not make for the greatest good to the greatest number, and in case of a serious epidemic the practice imperils the health of the entire city.

The establishment of main routes of communication between different parts of the city which connect with our parks, ferries, and railroad stations, seems to me but little less important than conserving the health of our poorer population. These routes cheapen the cost of delivering goods to the merchant and distributing them to customers, and as the cost of transportation must be taken in some ratio from the profits of producers or consumers, the cheaper transportation offered by asphaltizing streets must form a considerable saving to the people of the city. A great good also lies in the facilities they offer convalescent people for reaching either the parks or the country, and the opportunities they afford to large numbers of our people for healthful exercise.

Neglecting the adverse criticism of those who would like the streets immediately in front of their houses asphalted, three objections may be urged to the plan presented, viz.: That a long line of cross streets, generally between First avenue and Avenue A, with a shorter line on the west side of the city, should, in the interest of public health, receive the same treatment that the streets bordering on Fifth avenue have received; another is that with noiseless streets in the residence portion of the city, the generally observed summer vacation would be abbreviated, so that many rents which now have to be earned by seven or nine months' occupancy would have the time of their earning capacity extended to ten months, or even the whole year, with a corresponding advantage to all distributing trades in the city; the third is that the comfort of the teachers of our public schools, and through them the mental peace and advancement of their scholars, would be promoted by asphalt pavements around the schoolhouses, which would prevent the noise now arising from the granite pavement.

It will be seen that all of these desirable results cannot be attained at once. At the request of a former Board of Estimate and Apportionment, it was ascertained that the cost of asphaltizing all streets near schools would exceed \$1,000,000. The Board of Education, I take it, could at any time procure legislation at Albany directing you to do this important work and appropriating the necessary money. It does not seem fair to all the interests of the city, in view of the great amount of repaving necessary, to take the sum requisite for this work from the yearly appropriations for paving.

The very weighty claims of householders and business men for that quiet in our streets which will render the city more habitable during the season in which windows are kept open, if urged with unanimity, would receive immediate attention, with the funds necessary to satisfy their desires. It is only the inhabitants of the tenement-houses that lack means for organization and effective representation. And I think their necessities should be attended to before other interests are satisfied.

It is confidently expected that increased competition between those laying asphalt pavements will result in reduced cost to the city.

All of which is respectfully submitted.

EDWARD P. NORTH, Water Purveyor.

Through Routes.

STREETS.	YARDS.	COST.
Spring street, from Sullivan to Greenwich street, excepting between Clark and Hudson streets.....	2,700	\$10,800 00
Clark street.....	1,350	5,400 00
Macdougall street, from Waverley place to Spring street; Waverley place, from Fifth avenue to Macdougall street.....	10,300	41,200 00
Barrow street, from West to West Fourth street; Washington place, from Grove to Macdougall street.....	11,300	45,200 00
Greenwich avenue, from Sixth to Eighth avenue.....	9,400	37,600 00
Ninth street, from University place to Stuyvesant street; Stuyvesant street, from Third to Second avenue.....	9,400	37,600 00
Twenty-first street, from Fourth to Eighth avenue, excepting between Fifth and Sixth avenues.....	8,400	33,600 00
Twenty-second street, from Second to First avenue.....	4,400	17,600 00
Twenty-second street, from Eighth to Eleventh avenue.....	8,350	33,400 00
Fortieth street, from Eighth to Eleventh avenue.....	8,350	33,400 00
Fifty-eighth street, from Seventh to Tenth avenue.....	6,100	24,400 00
Fifty-eighth street, from Lexington to Third avenue.....	1,400	5,600 00
Boulevard, from One Hundred and Sixth to One Hundred and Nineteenth street, east side.....	15,925	63,700 00
Madison avenue, from Seventy-ninth to Eighty-sixth street.....	6,300	25,200 00
Seventy-first street, from Fifth to First avenue, excepting between Madison and Lexington avenues.....	7,430	29,720 00
Total.....	113,115	\$452,420 00

South of Reade Street.

STREETS.	YARDS.	COST.
Pine street, from Nassau to William street.....	950	\$3,800 00
Nassau street, from Wall to Spruce street, excepting between Pine and Liberty streets.....	3,400	13,600 00
William street, from Beaver to Pearl street.....	200	1,940 00
Total.....	4,650	\$18,440 00

East of Centre Street and South of Second Street.

STREET.	YARDS.	COST.
Park street, from Mott to Centre street.....	2,550	\$10,200 00
Baxter street, from Park Row to Grand street.....	5,372.8	21,500 00
Mott street, from Park Row to Hester street.....	4,318	17,272 00
Mulberry street, from Park Row to Broome street.....	7,000	28,000 00
Hester street, from Park Row to Centre street.....	3,150	12,600 00
Bayard street, from Baxter to Division street.....	5,150	20,600 00
Franklin street, from Baxter to Centre street.....	750	3,000 00
Market street, from Division to Cherry street.....	4,250	17,000 00
Suffolk street, from Division to Houston street.....	7,000	28,000 00
Orchard street, from Division to Houston street.....	7,950	31,800 00
Chrystie street, from Grand to Houston street.....	5,500	22,000 00
Essex street, from Division to Houston street.....	7,600	30,400 00
Clinton street, from Division to Houston street.....	6,750	27,000 00
Allen street, from Division to Houston street.....	8,200	32,800 00
Pitt street, from Broome to Houston street.....	4,650	18,600 00
Total.....	77,300	\$309,200 00

DOCUMENT "F."—OFFICE OF ENGINEER IN CHARGE OF SEWERS.

OFFICE OF THE ENGINEER IN CHARGE OF SEWERS, NEW YORK, July 3, 1895. *Hon. WILLIAM BROOKFIELD, 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 June 30, 1895: 12,565 linear feet of new sewers and 17 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,454,692 linear feet (464.90 miles), with 5,510 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.

Eleven sewer contracts and six basin contracts have been completed, viz.: Sewers in Ninety-second street, between West End and Riverside avenues; in Ninety-sixth street, between First avenue and Harlem river; in One Hundred and Seventeenth street, between Amsterdam and Morningside avenues; in One Hundred and Fiftieth street, between Boulevard and Amsterdam avenue; in One Hundred and Sixty-fourth street, between Amsterdam avenue and Edgecombe road; in One Hundred and Sixty-sixth street, between Amsterdam avenue and Edgecombe road; in Avenue D, between Tenth and Thirteenth streets, and in Twelfth street, between Avenue D and Dry Dock street; in St. Nicholas avenue, west side, between One Hundred and Nineteenth and One Hundred and Twentieth streets; in St. Nicholas avenue, west side, between One Hundred and Forty-first and One Hundred and Forty-fifth streets, with alteration and improvement to curve at One Hundred and Forty-first street and St. Nicholas avenue; in Kingsbridge road, between Dyckman street and Naegle avenue; in Amsterdam avenue, west side, between One Hundred and Seventy-third street and a point about 316.5 feet north of One Hundred and Seventy-eighth street, and sewers on north and south sides of One Hundred and Seventy-fifth street, between Amsterdam and Wadsworth avenues, with curve into Eleventh avenue. Receiving-basins on northeast corner of Thirty-second street and Third avenue; on northeast and southeast corners of Fifty-fifth street and Twelfth avenue; on southeast corner of One Hundred and Twenty-sixth street and Lenox avenue; on northwest corner of One Hundred and Fiftieth street, and southwest corner of One Hundred and Fifty-first street and Convent avenue; on northwest corner of One Hundred and Fifty-first street, and southwest corner of One Hundred and Fifty-second street and Convent avenue; on south side of One Hundred and Twenty-first street, at junction of Eighth and St. Nicholas avenues.

There are now in progress 38 contracts for new sewers and 4 basin contracts. 1,251 receiving-basins and 27,043 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 June 31, 1895.

APPROPRIATIONS.	AMOUNT.	AMOUNT.
Credit to General Fund—Amount received for 263 permits for sewer connections.....		\$7,036 30
Engineer's Fees—Amount of Engineer's fees assessed on property benefited and charged to Street Improvement Fund.....		\$8,982 40
Sewers—Repairing and Cleaning—Balance on hand March 31, 1895.....		\$78,790 01
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Laborers, etc.....	\$20,342 00	
Cleaning.....	1,388 33	
Sundries.....	1,028 70	
Balance, June 30, 1895.....	56,030 98	
		78,790 01
Sewers—Repairing and Cleaning—Salaries—Balance on hand March 31, 1895.....		\$7,530 02
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Inspectors, etc.....	\$2,430 08	
Balance, June 30, 1895.....	5,099 94	
		7,530 02
Sewerage System—Salaries—Balance on hand March 31, 1895.....		\$6,300 00
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Engineer, etc.....	\$2,100 00	
Balance, June 30, 1895.....	4,200 00	
		6,300 00
Boring Examinations for Grading, etc.—Balance on hand March 31, 1895.....		\$4,112 50
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Assistant Foreman, etc.....	\$942 00	
Balance, June 30, 1895.....	3,170 50	
		4,112 50
Restoring and Repaving—Special Fund—Amount received for permits for street openings.....		\$22,761 72
Street Improvement Fund—Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Engineers, etc.....	\$6,024 97	
Pay-roll of Inspectors, etc.....	10,242 20	
Contracts, etc.....	112,036 56	
		\$128,299 73

Work Done by Mechanics and Laborers.

745 receiving-basins relieved, 1,251 receiving-basins and culverts cleaned, 14,220 linear feet of sewer cleaned, 24,825 linear feet of sewer relieved, 167,499 linear feet of sewer examined, 308 linear feet of brick sewer rebuilt, 16 linear feet of brick culvert rebuilt, 106 linear feet of pipe culvert laid, 15 linear feet of spur pipe laid, 12 linear feet of new curb set, 79 linear feet of new curb reset, 4 new manholes built, 3 new basins built, 5 manholes repaired, 27 basins repaired, 62 manhole heads reset, 9 basin heads reset, 32 new manhole heads and covers put on, 6 new basin heads and covers put on, 37 new basin covers put on, 81 new manhole covers put on, 11 new basin hoods put in, 22 new basin grates put in, 1,244 cubic feet of brickwork built, 323 square feet of flagging relaid, 293 square yards of pavement relaid, 62,170 cubic feet of earth excavated and refilled, 20 cart-loads of earth-filling, 3,089 cart-loads of dirt removed.

Statement Showing the Amount of Work Done on Uncompleted Contracts for the Quarter ending June 30, 1895.

DATE.	NATURE AND LOCATION OF WORK.	ESTI-MATED COST.	ESTI-MATED AMOUNT OF WORK DONE.	ALLOWED.	CON-SUMED.	REMAIN-ING.	REMARKS.
1894. July 23	Alteration and improvement to sewer in 23d st., between North river and 10th ave., and to connections in 11th ave., between 23d and 27th sts., and to sewer in 13th ave., between 23d and 24th sts.....	\$48,240 00	\$43,505 00	300	286	14	Will be completed in two weeks.
1895. Feb. 1	Alteration and improvement to sewer in 1st ave., between 31st and 33d sts., and to curve at 31st and 32d sts.....	5,065 60	2,532 00	100	70	30	
" 21	Alteration and improvement to sewer in Central Park, West (west side), between 62d and 70th sts., and to curves at 63d, 64th, 65th and 66th sts.....	15,543 60	6,104 00	250	81	169	
Apr. 1	Alteration and improvement to sewer in Elm st., between Catharine lane and Leonard st., and in Leonard st., between Elm st. and Broadway.....	2,301 50	2,255 87	40	37	3	Completed.
" 26	Alteration and improvement to sewer in 86th st., between East river and East End ave., with outlet under pier.....	5,881 00	960 00	100	38	62	
" 26	Alteration and improvement to sewer in 6th st., between East river and Avenue D.....	8,202 00		148	38	110	
June 3	Alteration and improvement to sewer in Columbus ave., at 75th st.....	1,236 15	549 50	25	15	10	
" 11	Sewer in 5th ave., between 17th and 18th sts.....	1,030 36	480 00	25	10	15	
1894. Dec. 11	Sewer in 5th ave., between 16th and 17th sts.....	1,107 20	1,094 40	25	12	10	Completed.
1895. Feb. 13	Excavating rock in sewer in 5th ave., between 16th and 17th sts.....	630 00	531 00	20	15	5	

DATE.	NATURE AND LOCATION OF WORK.	ESTI-MATED COST.	ESTI-MATED AMOUNT OF WORK DONE.	ALLOWED.	CON-SUMED.	REMAIN-ING.	REMARKS.
1895. June 12	Receiving-basin, northeast corner 75th st. and Columbus ave.....	\$208 00	\$190 00	4	4	..	Completed.
" 14	Receiving-basin southeast and northeast corners Vesey and Greenwich sts.....	371 00	315 00	14	10	..	"
1892. Nov. 4	Outlet sewer in Dyckman st., between Hudson river and Kingsbridge road, with curve in F st.....	41,076 00	34,700 00	500	482	18	Will be completed in ten days.
1894. Aug. 27	Sewer in 162d st., between 11th ave. and Kingsbridge road, and in Kingsbridge road, west side, between Amsterdam ave. and 62d st.....	7,174 40	6,518 40	200	173	27	Practically complete.
" 30	Sewer in 95th st., between Riverside and West End aves.....	7,092 40	6,486 78	230	175	55	Practically complete.
Dec. 21	Sewer in 127th st., between Convent ave. and summit east.....	3,591 00	3,518 83	100	99	..	Practically complete.
1895. Feb. 12	Sewer in 121st st., between Boulevard and Amsterdam ave.....	5,894 32	4,010 36	140	96	44	
" 12	Sewer in 122d st., between Boulevard and Amsterdam ave.....	6,770 50	6,680 00	170	88	82	
" 15	Sewer in Convent ave., west side, between 127th and 131st sts., connecting with present sewer in 127th st.....	7,995 00	2,730 00	250	80	170	
" 27	Sewer in 121st st., between Amsterdam ave. and Morningside ave., West.....	3,914 93	3,914 00	90	73	17	
" 27	Sewer in 120th st., between Amsterdam ave. and Morningside ave., West.....	3,697 85	2,914 80	100	76	24	
Mar. 18	Sewer in 123d st., between Boulevard and Amsterdam ave.....	6,553 00	2,456 50	150	67	83	
" 30	Sewer in Cathedral parkway, between Columbus and Amsterdam aves.....	7,875 00	747 50	200	42	158	
" 30	Sewer in Cathedral parkway, between 8th and Manhattan aves.....	2,677 50	1,590 00	60	39	21	
Apr. 11	Sewer in 98th st., between Riverside and West End aves.....	2,570 00	1,407 50	60	50	10	
May 1	Sewer in 105th st., between Riverside and West End aves.....	3,385 00	650 00	75	32	43	
" 4	Sewer in 119th st., between Amsterdam ave. and Morningside ave., West.....	4,120 00	828 00	100	35	65	
" 13	Sewer in 99th st., between Riverside and West End aves.....	3,308 00	670 00	85	22	63	
June 12	Sewers in 79th st. (both sides), between West End ave. and Boulevard.....	5,000 00		130	11	119	Work just commenced.
" 13	Sewer in 105th st., between Boulevard and West End ave.....	959 75		30	6	24	Work just commenced.
" 19	Sewers in 79th st. (both sides), between Riverside and West End aves.....	3,185 00		80	3	77	Work just commenced.
1894. July 20	Sewer in Marginal st., between 107th and 110th sts., with branches in 107th, 108th and 109th sts., between Marginal st. and 1st ave.....	20,082 65	11,041 00	300	188	112	
Aug. 16	Alteration and improvement to sewer in 5th ave., east side, between 90th and 98th sts., and to curves at 91st, 92d, 93d, 94th, 95th and 96th sts.....	17,748 50	15,522 28	200	186	14	
Sept. 28	Sewer in Avenue St. Nicholas, east side, between 137th and 141st sts., with alteration and improvement to curve at 137th st. and Avenue St. Nicholas.....	7,030 90	4,614 50	150	104	..	
Dec. 18	Sewer in Avenue St. Nicholas, west side, between 126th and 127th sts., and in 127th st., between Avenue St. Nicholas and summit west.....	5,196 00	4,120 00	120	110	10	
1895. Apr. 15	Sewer in 130th st., between Convent ave. and St. Nicholas terrace.....	6,163 00	250 00	175	38	137	Work just commenced.
May 3	Sewer in 7th ave., east side, between 138th and 141st sts.....	5,343 76		150	36	114	Work just commenced.
" 3	Sewer in Macomb's Dam road, between 149th and 152d sts.....	4,675 00		90	34	56	Work just commenced.
" 3	Sewer in Macomb's Dam road, between 152d and 154th sts.....	4,755 00		130	36	94	Work just commenced.
" 3	Sewer in 8th ave., between 150th and 153d sts., with branches.....	5,377 50		90	36	54	Work just commenced.
" 13	Receiving-basin, west side 8th ave., about 734 1/2 feet north of 155th st.....	228 00	200 00	5	5	..	Work completed.
" 13	Receiving-basin, northwest corner 131st st. and 12th ave.....	219 00	195 00	5	6	..	"

DOCUMENT "G."—REPORT OF THE SUPERINTENDENT OF STREET IMPROVEMENTS.

BUREAU OF STREET IMPROVEMENTS, NEW YORK, July 1, 1895. *Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:*

SIR—In accordance with your instructions, I have the honor to submit herewith my report of the transactions of the Bureau of Street Improvements for the quarter ending June 30, 1895.

Respectfully, W. M. DEAN, Superintendent of Street Improvements.

Statement of amount of work done during the quarter ending June 30, 1895: Earth excavated, 37,607 cubic yards; rock excavated, 22,659 cubic yards; filling furnished, 73,085 cubic yards; curb-stones set, 10,667 linear feet; curb-stones reset, 4,560 linear feet; flagging laid, 63,070 square feet; flagging relaid, 21,801 square feet; fence built, 2,606 linear feet; culvert laid, 100 linear feet.

AMOUNT OF VOUCHERS DRAWN.	AMOUNT OF VOUCHERS DRAWN.
Street Improvement Fund.....	\$90,102 07
Street Improvement Fund—For Surveying, etc.....	390 00
Flagging and Fencing in front of City Property.....	48 00
Contingencies—Department of Public Works.....	439 45
Total.....	\$90,993 52

APPROPRIATIONS.	AMOUNT OF VOUCHERS DRAWN DURING FIRST QUARTER.....	AMOUNT OF VOUCHERS DRAWN DURING SECOND QUARTER.....	OUTSTANDING LIABILITIES.....	Balance (estimated).....
Street Improvements—For Surveying, Monumenting, etc.....	\$3,000 00			
Amount of vouchers drawn during first quarter.....	\$616 00			
Amount of vouchers drawn during second quarter.....	390 00			
Outstanding liabilities (estimated).....	876 00			
Balance (estimated).....	1,118 00			
		3,000 00		
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$2,000 00			
Contingencies—Department of Public Works—				
Amount of vouchers drawn.....	\$439 45			
Amount of vouchers drawn (1894).....	\$14 00			

WORKS COMPLETED DURING THE QUARTER.	Flagger, Reflagging, Curbing and Recurb-ing—
149th st., from 7th ave. to Harlem river.....	\$1,270 00
131st st., from Park to Lexington ave.....	1,085 83
168th st., from Amsterdam ave. to Kingsbridge road.....	3,333 70
98th st., from 3d to Park ave.....	824 63
100th st., from 2d ave. to East river.....	2,671 33
146th st., from Bradhurst to 8th ave.....	561 29
201st st., from Academy st. to Harlem river.....	5,065 82
Lexington ave., from 97th to 102d st.....	4,173 21
St. Nicholas terrace, from 130th st. to Convent ave.....	65,690 65
Convent ave., from 150th st. to St. Nicholas ave.....	1,581 25
Flagging, Reflagging, Curbing and Recurb-ing—	\$86,257 71
South side of 81st st., from Amsterdam ave. to Boulevard.....	\$457 01
South side of 151st st., from St. Nicholas to Amsterdam ave.....	456 88
South side of 118th st., west of St. Nicholas ave.....	69 09
North side of 85th st., from Amsterdam to West End ave.....	376 49
North side of 119th st., from Lenox to 7th ave.....	413 94
East side of 1st ave., from 62d to 64th sts.....	756 40
Flagger, Reflagging, Curbing and Recurb-ing—	
North side of 81st st., from West End ave. to Riverside Drive.....	\$131 39
West side of West End ave., from 79th to 81st st.....	524 58
North side of 85th st., from 1st to 2d ave.....	598 99
West side of Amsterdam ave., from 79th to 80th st.....	201 32
North side of 121st st., west of 8th ave.....	115 62
South side of 97th st., from Lexington to Park ave.....	256 52
West side of 7th ave., from 149th to 153d st.....	701 36
South side of 88th st., from 1st to 2d ave.....	516 87
South side of 2d st., from Avenue A to Avenue B.....	573 21
East side of Madison ave., from 116th to 117th st.....	54 88
Nos. 5 to 11 Broadway.....	330 12
South side of 65th st., from east of Columbus avenue.....	110 53
Fencing Vacant Lots, etc.—	
140th st., from 7th to 8th ave.....	\$696 20
137th st., from 7th to 8th ave.....	320 70
East side 5th ave., from 119th to 120th st., etc.....	255 24
Nos. 11 and 13 West 81st st.....	26 50
Total.....	\$94,201 55

RECAPITULATION.	RECAPITULATION.
10 contracts for Regulating, Grading, etc.....	\$86,257 71
18 contracts for Flagging, Curbing, etc.....	6,645 20
4 contracts for Fencing Vacant Lots, etc.....	1,298 64
34 contracts.....	Total..... \$94,201 55

Statement Showing Works under Contract in Bureau of Street Improvements on the 30th day of June, 1895.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, Grading, Curbing and Flagging.									
Boulevard, from 156th to Inwood street.	R. McLaughlin	R. L. Waters	Leander Buck	600 days.	\$244,372 49	\$245,888 29	\$73,766 48	\$172,121 81	
College place, from Greenwich to Dey street.	Thomas J. Dunn	Geo. A. Wheeler	L. A. Russell, Jr.	7 "	2,113 42				
St. Nicholas terrace, from 127th to 130th street.	Riley & Mahoney	R. L. Waters	Sylvester Bennett	300 "	17,800 10				
Academy street, from Seaman avenue to Harlem river.	Charles W. Collins	Wm. E. Dean	F. G. Fay	100 "	18,390 50	3,912 00	1,173 60	2,738 40	
Emerson street, from Seaman to Amsterdam avenue.	William E. Dean	L. F. Olney	Theo. Pratt	275 "	23,847 79				
Hawthorne street, from Seaman to Amsterdam avenue.	Thos. J. McLaughlin	A. P. Hartmann	David Simmons	300 "	32,210 15	10,833 00	3,249 90	7,583 10	
9th avenue, from 201st street to Kingsbridge road.	C. C. Dean	F. E. Towle	R. V. Davis	280 "	56,668 50	24,150 00	7,245 00	16,905 00	
125th street, from Boulevard to Claremont avenue.	John J. Hopper	L. F. Olney	P. H. Kedney	20 "	579 42				
127th street, from St. Nicholas to Convent avenue.	John Slattery	Geo. A. Wheeler	S. Bennett	60 "	4,080 80				Not yet commenced.
144th street, from 7th avenue to Harlem river.	Gallagher & Kiley		James L. Brown	75 "	4,799 20				Completed, but not accepted.
151st street, from Bradhurst avenue to Harlem river.	Joseph A. Flynn	A. P. Hartmann	D. O'Connor	125 "	16,357 40	12,689 25	3,806 77	8,882 48	
152d street, from Bradhurst avenue to Harlem river.			B. V. Frazer	175 "	28,878 82	11,560 60	3,468 18	8,092 42	
158th street, from 11th avenue to Hudson River Railroad tracks.	Thomas J. Gillis		Thos. S. McPherson	20 "	3,737 55				
164th street, from Amsterdam to Edgecombe road.	John Slattery		Charles H. Powers	50 "	3,185 40				
173d street, from Amsterdam avenue to Kingsbridge road.	Thomas Barry	M. A. Lacy	Henry Scriver	100 "	9,478 50	8,933 85	2,680 15	6,253 70	Completed, but not accepted.
179th street, from Amsterdam avenue to Kingsbridge road.	James Flanagan	R. L. Waters	James A. Pierce	150 "	10,419 52				
189th street, from Amsterdam avenue to Wadsworth road.	James J. Levins	A. P. Hartmann	David H. Davis	75 "	11,178 50				
202d street, from Amsterdam avenue to Harlem river.	William E. Dean	Geo. A. Wheeler	Bernard Martin	60 "	8,847 50	7,200 00	2,160 00	5,040 00	
203d street, from Amsterdam avenue to Harlem river.	W. F. Cunningham	F. E. Towle	James Kearney	90 "	7,820 40	1,600 00	480 00	1,120 00	
207th street, from Amsterdam avenue to Harlem river.	C. C. Dean	R. L. Waters	H. F. Liebenau, Jr.	180 "	19,664 70	10,931 00	3,279 30	7,651 70	
208th street, from Amsterdam avenue to Harlem river.	Wm. E. Dean, Jr.	A. P. Hartmann	William J. V. Hart	100 "	5,278 11				
209th street, from Amsterdam avenue to Harlem river.	William E. Dean	R. L. Waters	John Thain	70 "	4,852 40				
210th street, from Amsterdam avenue to Harlem river.	Wm. E. Dean, Jr.	A. P. Hartmann		50 "	4,993 78				
Iron Railing and Fence.									
East side St. Nicholas terrace, from 130th street to Convent avenue.	Johnson Bros.	R. L. Waters		100 "	3,615 75				Not yet commenced.
Special Contracts—Flagging, Curbing, etc.									
Southeast corner 74th street and 3d avenue.	Thomas J. Dunn	Geo. A. Wheeler		2 "	447 15				Completed, but not accepted.
Northwest corner Greenwich and Perry streets.		William V. Smith		2 "	239 82				Completed, but not accepted.
East side Bradhurst avenue, from 144th to 145th street.		E. Riordan		2 "	164 95				Completed, but not accepted.
West side 5th avenue, from 128th to 130th street.		C. H. Haswell		3 "	666 62				Completed, but not accepted.
West side 7th avenue, from 141st to 143d street.		L. F. Olney		3 "	260 86				Completed, but not accepted.
South side 8th street, from Boulevard to West End avenue.		C. H. Haswell		2 "	114 92				Completed, but not accepted.
South side 92d street, from Madison to 5th avenue.		Geo. A. Wheeler		4 "	289 35				Completed, but not accepted.
South side 98th street, from Boulevard to West End avenue.	Patrick Larney	C. H. Haswell		3 "	115 26				Completed, but not accepted.
North side 130th street, east of Lenox avenue.	Thomas J. Dunn			2 "	183 12				Completed, but not accepted.
South side 145th street, from Amsterdam avenue to Boulevard.	Patrick Larney	F. E. Towle		3 "	460 70				Completed, but not accepted.
Fencing Vacant Lots.									
East side Western Boulevard, from 70th to 77th street.	Robert C. Winters	R. A. Craig		1 "	87 90				Completed, but not accepted.
West side Lexington avenue, from 97th to 98th street.		F. Reinhart		2 "	171 80				Completed, but not accepted.
Northeast corner 120th street and Manhattan avenue.	P. Larney	A. P. Hartmann		3 "	92 58				Completed, but not accepted.
South side 81st street, from Amsterdam avenue to Boulevard.		L. F. Olney		2 "	178 38				Completed, but not accepted.
South side 89th street, from Columbus to Amsterdam avenue.		C. W. Smith		3 "	269 70				Completed, but not accepted.
South side 99th street, from Columbus to Amsterdam avenue.		F. Reinhart		1 "	90 90				Completed, but not accepted.
North side 99th and south side 100th streets, from Columbus to Amsterdam avenue.		C. W. Smith		2 "	167 36				Completed, but not accepted.
Totals.					\$547,082 07	\$337,697 99	\$101,309 38	\$236,388 61	

DOCUMENT "H."—REPORT OF THE SUPERINTENDENT OF STREETS.

BUREAU OF STREETS AND ROADS, NO. 31 CHAMBERS STREET, ROOM 12, NEW YORK, July 10, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:

SIR—In accordance with your letter of direction, dated June 28, 1895, I beg to submit the following report of the transactions of this Bureau during the quarter ending June 30, 1895.

Respectfully submitted, JOHN SIMPSON, Superintendent of Streets.

The following work was done and materials used on "Boulevards, Roads and Avenues—Maintenance of," during the quarter ending June 30, 1895:

Roadway repaired.	9,396 sq. yds.	Gravel hauled.	246 loads.
Roadway regulated and graded.	5,200 "	Screenings hauled.	1,536 "
Roadway covered with gravel.	28,600 "	Earth hauled.	948 "
Roadway covered with gravel screenings.	113,600 "	Sand hauled.	112 "
Roadway cleaned.	265 miles.	Gneiss hauled.	97 "
Gutters cleaned.	711 "	Asphalt hauled.	5 "
Gutters paved.	72 sq. yds.	Centre piece of Boulevard cleaned.	4 miles.
Flagging relaid.	204 sq. ft.	Centre piece of Boulevard regulated and graded.	10,609 sq. yds.
Bridge-stone relaid.	400 "	Stone drain built.	79 lin. ft.
Sidewalk repaired.	100 "	Box drain built.	72 "
Curb reset.	21 lin. ft.	Ditching done.	297 "
Stone hauled.	1,093 loads.	Trees pruned and cultivated.	1,424 "

In doing the above-mentioned repairs there were used of—

Gravel.	246 loads.	Sand.	112 loads.
Broken stone.	1,093 "	Gneiss.	97 "
Screenings.	1,536 "	Asphalt.	5 "
Earth.	948 "		

4,063 loads of refuse were removed.

The avenues and streets in charge of this Bureau have been efficiently sprinkled when required.

The work of maintaining the macadamized and gravel roadways involves a considerable amount of expense which cannot well be presented in figures, but which is necessary to keep those roads in good form, such as the scraping and matting of the topdressing after rain storms, and the labor performed in the repair shops, which includes the building, complete, of sprinkling wagons, road rollers and road scrapers, the repairing and painting of the same, the making and sharpening of picks and other tools and much work of a minor character.

The following work was done and materials used on "Roads, Streets and Avenues, Unpaved," during the quarter ending June 30, 1895:

Roadway repaired.	18,302 sq. yds.	Stone hauled and used.	421 loads.
Gutters cleaned and graded.	3 miles.	Asphalt hauled and used.	97 "
Curb reset.	195 lin. ft.	Fence built.	72 lin. ft.
Gutters repaved.	180 sq. yds.	Stone drain built.	50 "
Flagging laid.	120 sq. ft.	Wash-house repaired.	10 "
Earth hauled and used.	1,666 loads.		

The following is a Statement of the Various Appropriations Under Charge of the Bureau of Streets and Roads:

Boulevards, Roads and Avenues—Maintenance of, 1895.	\$90,000 00	Pay-roll, Laborers, etc., week ending May 18, 1895.	\$1,627 09
Amount transmitted during the first quarter, ending March 31, 1895.	19,204 82	Pay-roll, Laborers, etc., week ending May 25, 1895.	1,776 49
Balance April 1, 1895.	\$70,795 18	Pay-roll, Laborers, etc., week ending June 1, 1895.	1,717 11
Amount transmitted during the second quarter, ending June 30, 1895, is as follows:		Pay-roll, Laborers, etc., week ending June 8, 1895.	1,940 22
Pay-roll, Laborers, etc., week ending March 30, 1895.	\$1,669 12	Pay-roll, Laborers, etc., week ending June 15, 1895.	1,954 49
Pay-roll, Laborers, etc., week ending April 6, 1895.	1,813 66	Pay-roll, Laborers, etc., week ending June 22, 1895.	1,947 74
Pay-roll, Laborers, etc., week ending April 13, 1895.	1,605 56	Lease of ground.	1,200 00
Pay-roll, Laborers, etc., week ending April 20, 1895.	1,829 67	Horse and wagon.	270 00
Pay-roll, Laborers, etc., week ending April 27, 1895.	1,916 15	Gravel and gravel screenings.	2,774 86
Pay-roll, Laborers, etc., week ending May 4, 1895.	1,755 74	Repairs to sprinklers.	133 81
Pay-roll, Laborers, etc., week ending May 11, 1895.	1,981 49	Hardware.	525 01
			\$28,438 21
		Balance July 1, 1895.	\$42,356 97

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—Sprinkling.	\$30,000 00	Pay-roll, Laborers, etc., week ending May 11, 1895.	\$864 37
Amount transmitted during the first quarter, ending March 31, 1895.	1,966 75	Pay-roll, Laborers, etc., week ending May 18, 1895.	758 37
Balance April 1, 1895.	\$28,033 25	Pay-roll, Laborers, etc., week ending May 25, 1895.	818 93
Amount transmitted during the second quarter, ending June 30, 1895, is as follows:		Pay-roll, Laborers, etc., week ending June 1, 1895.	820 25
Pay-roll, Laborers, etc., week ending March 30, 1895.	\$183 87	Pay-roll, Laborers, etc., week ending June 8, 1895.	904 87
Pay-roll, Laborers, etc., week ending April 6, 1895.	213 25	Pay-roll, Laborers, etc., week ending June 15, 1895.	907 31
Pay-roll, Laborers, etc., week ending April 13, 1895.	809 81	Pay-roll, Laborers, etc., week ending June 22, 1895.	943 00
Pay-roll, Laborers, etc., week ending April 20, 1895.	882 74	Hose and couplings.	150 00
Pay-roll, Laborers, etc., week ending April 27, 1895.	822 99		\$9,788 25
Pay-roll, Laborers, etc., week ending May 4, 1895.	708 49		
		Balance July 1, 1895.	\$18,245 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.	\$2,500 00	Amount transmitted during the second quarter, ending June 30, 1895.	\$624 99
Amount transmitted during the quarter ending March 31, 1895.	624 99		
Balance April 1, 1895.	\$1,875 01	Balance July 1, 1895.	\$1,250 02

Bridge over Harlem Ship Canal—Maintenance of.	\$7,500 00	Pay-roll, Laborers, etc., week ending June 15, 1895.	\$60 50
Amount transmitted during the first quarter, ending March 31, 1895.	1,132 10	Pay-roll, Laborers, etc., week ending June 22, 1895.	80 50
Balance April 1, 1895.	\$6,367 90	Pay-roll, Engineer, etc., quarter ending June 30, 1895.	499 98
Pay-roll, Laborers, etc., week ending March 30, 1895.	\$52 50	Egg coal.	100 00
Pay-roll, Laborers, etc., week ending April 6, 1895.	52 50		\$1,315 98
Pay-roll, Laborers, etc., week ending April 13, 1895.	52 50	Balance July 1, 1895.	\$5,051 92
Pay-roll, Laborers, etc., week ending April 20, 1895.	52 50	Amount transmitted during the quarter ending June 30, 1895—Street Improvement Fund:	
Pay-roll, Laborers, etc., week ending April 27, 1895.	52 50	Final payment—Crosswalks.	\$217 00
Pay-roll, Laborers, etc., week ending May 4, 1895.	50 00	Pay-roll, Inspector.	70 00
Pay-roll, Laborers, etc., week ending May 11, 1895.	52 50	Surveyor's fees.	\$41 80
Pay-roll, Laborers, etc., week ending May 18, 1895.	52 50		\$328 80
Pay-roll, Laborers, etc., week ending May 25, 1895.	52 50	The following amount has been drawn against Restoring and Repaving Special Fund.	\$1,338 86
Pay-roll, Laborers, etc., week ending June 1, 1895.	52 50	The following amount has been received during the quarter ending June 30, 1895, for use of road roller and deposit to the credit of the General Fund.	\$4 50
Pay-roll, Laborers, etc., week ending June 8, 1895.	52 50		

DOCUMENT "I."—REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

BUREAU OF LAMPS AND GAS, NEW YORK, July 9, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works.

SIR—Herein I submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending June 30, 1895.

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 an expenditure during the quarter of two hundred and forty thousand seven hundred and fifty-one dollars and fifty-four cents (\$240,751.54), with liabilities amounting to seventy-seven thousand five hundred and sixty-two dollars and twelve cents (\$77,562.12), leaving an available balance of five hundred thousand and sixty-seven dollars and seventy-five cents (\$500,067.75).

Exhibit "C" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—Salaries," showing an expenditure during the quarter of fifteen hundred and fifty-six dollars and twenty-three cents (\$1,556.23), leaving an available balance of three thousand one hundred and eighty-one dollars and eighteen cents (\$3,181.18).

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 478 new gas-lamps and 117 new electric-lamps having been erected and lighted, 84 gas-lamps relighted and 432 gas-lamps discontinued, of which 342 were discontinued on account of electric-lamps and 1 electric-lamp discontinued. The total number of public lamps lighted on June 30, 1895, was 24,851 gas, 358 naphtha and 2,745 electric; making a total of 27,954.

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 amount 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.)	SULPHURETED HYDROGEN.
Consolidated Gas Company—			
Branch 1.	5.68	0.66	Present.
Branch 2.	9.06	1.04	
Branch 3.	6.18	0.20	
Branch 4.	8.70	2.64	
Branch 5.	4.04	0.34	Present.
New York Mutual Gas-light Company.	5.20	0.28	
Equitable Gas-light Company.	6.06	0.18	
Standard Gas-light Company.	7.00	0.26	
East River Gas Company.	3.79	1.24	

The following shows the specific gravity of the gases:

Consolidated Gas Company—Branch 1, .578; Branch 2, .560; Branch 3, .673; Branch 4, .516; Branch 5, .626; New York Mutual Gas-light Company, .700; Equitable Gas-light Company, .688; Standard Gas-light Company, .666; East River Gas Company, .664.

The following statement shows the average maximum and minimum pressure on 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.
Consolidated Gas Company—	Inches.	Inches.		Miles.
Branch 1.	2.11	1.97	Corner Bowery and Grand st.	1.88
Branch 2.	3.59	2.15	" " "	1.88
Branch 3.	4.12	2.32	" " "	3.00
Branch 4.	2.60	1.43	79th st., between 2d and 3d aves.	3.00
Branch 5.	2.17	1.78	" " "	1.88
New York Mutual Gas-light Co.	3.63	2.99	Corner Bowery and Grand st.	1.88
Equitable Gas-light Company.	4.12	2.11	" " "	2.00
Standard Gas-light Company.	1.83	1.79	79th st., between 2d and 3d aves.	1.88
East River Gas Company.	2.15	1.60	" " "	1.88

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

Day's Sick Union No. 7.....	Day's Sick Union No. 7.....	Day's Sick Union No. 7.....	Day's Sick Union No. 7.....	Day's Sick Union No. 7.....
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FOR WHAT TIME.	EAST RIVER.			CON., BRANCH 1.			CON., BRANCH 2.			CON., BRANCH 3.		
	ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.		
Week ending—	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April 6, 1895.....	23.34	25.46	24.92	21.16	22.80	21.91	27.40	28.58	27.90
" 13,	23.73	25.44	24.36	21.21	23.00	22.74	27.34	28.02	28.00
" 20,	24.58	25.84	25.74	21.00	22.40	21.59	27.19	30.86	28.70
" 27,	22.12	24.36	25.40	20.04	22.86	21.00	28.08	30.16	28.70
May 4,	22.38	25.13	24.13	20.00	21.52	21.08	26.74	28.50	27.50
" 11,	24.08	25.16	24.72	20.62	22.42	21.77	28.48	29.44	28.60
" 18,	23.44	25.74	24.27	19.59	22.03	20.98	26.04	28.08	28.60
" 25,	23.77	26.12	24.82	20.70	23.22	21.98	27.92	30.58	29.30
June 1,	23.67	26.42	25.44	20.51	24.32	22.73	28.96	32.10	30.30
" 8,	27.32	28.44	28.03	23.66	25.90	25.01	21.34	23.96	22.41	27.67	31.84	29.30
" 15,	28.74	30.28	29.37	24.60	26.34	25.45	21.54	23.56	22.81	28.44	30.56	29.60
" 22,	28.24	29.80	29.11	23.22	24.94	23.85	21.28	22.66	21.85	27.46	29.20	28.20
" 29,	28.98	30.28	29.85	23.05	24.74	25.82	19.70	22.46	20.85	22.09	24.68	23.80
Average	28.32	29.75	29.09	23.51	25.46	24.56	19.13	22.86	21.78	27.22	29.50	28.20
Distance from gas-works.....	1 ³ / ₁₆ Miles			1 ¹ / ₁₆ Miles			1 ¹ / ₁₆ Miles			3 ¹ / ₁₆ Miles		
Testing burner.....	{ Bray's Slit Union } No. 7.....			{ Bray's Slit Union } No. 7.....			{ Bray's Slit Union } No. 7.....			{ Bray's Slit Union } No. 7.....		

DOCUMENT "K."—REPORT OF THE SUPERINTENDENT OF REPAIRS AND SUPPLIES.

BUREAU OF REPAIRS AND SUPPLIES, NEW YORK, July 8, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:

DEAR SIR—I have the honor to submit to you the following report of the transactions of this Bureau for the quarter ending June 30, 1895. Among the principal items of work done by the Bureau, I refer to the following:

THE NEW CRIMINAL COURT BUILDING.
The elevator pumps have been repaired and readjusted and a new steamchest put in the compound pump. The cables on the six elevators have been shortened and readjusted and an arrangement made with the Otis Elevator Company to have the elevators inspected every two months, and a report of their condition made to the Superintendent of Bureau of Repairs and Supplies, and also to make such repairs or adjustments that may be practicable to be done by the inspector at time of inspection.

The contract for the cleaning of the glass in the doors and windows was extended to June 30, 1895. The contract calls for the cleaning of the glass as often as necessary for the sum of ninety dollars per month. The work has been done satisfactorily; a silver-plated pitcher, porcelain lined, and a silver-plated tray of quadruple plate have been furnished for use of Recorder Goff.

A new oak table 6 feet long has been furnished for use of Assistant District Attorney Lewis. The name of Judge Allison has been painted on the door in place of Judge Martine, deceased.

All the urinals in the Criminal Court Building were set in slate platforms, bedded in the best quality of Portland cement and Rockaway sand, the slate platforms were countersunk in such a manner so that they will carry off all water to the drip-pipes.

Two barrels of pristine were furnished to the Janitor for cleaning the building, 1 dozen 4-inch globe holders and 1 dozen 5-inch globe holders were furnished to the Engineer of the building; 10 yards of best body Brussels carpet with best paper lining were laid in the Oyer and Terminer Court-room; the platform was altered and all the old carpet was repaired and cleaned. 200 feet 3/4-inch granite hose with couplings and nozzle complete was furnished for use of the Janitor of the building. 1 barrel of cylinder oil and 1 barrel of machinery oil was furnished for use of the Engineer. The piston and valves of the elevators and the gaskets at cylinder heads were renewed.

An order was made for the supply of such material as may be required by the Plumber in making repairs and alterations to the plumbing, steam and gas fitting of the building. This order is made quarterly, and the present order will expire on June 30, 1895.

Some law books have been furnished to the Court of General Sessions, for use of Judge Allison. All the window awnings have been put up and repaired where needed.

THE COUNTY COURT-HOUSE.
A fine axed blue-stone riser has been put in at the entrance on the south front of the building, and the walk repaired, behind the stone. 1 barrel of cylinder oil and 1 barrel of machinery oil has been furnished to the Engineer. Repairs were also made to the 12-inch double belt in engine-room.

One Tucker file with rolling front shutters and drawers, was furnished for Part I, Supreme Court.

Window awnings were put up on the windows of the Supreme Court rooms, the Surrogate's private room and court-room and offices, the Court of Common Pleas, the Judge's room, Superior Court and Sheriff's office. 1,000 feet of 3/4-inch white pine shelving, 1,000 feet of white pine, dressed both sides, 1,000 feet clear pine shelving, 12 inches long, 100 white pine ceiling boards were furnished to the Carpenters employed in this Bureau. 1 barrel of pristine was furnished to the Janitor of the building for cleaning purposes.

One barrel of disinfectant was furnished to the Janitor for disinfecting the building.

All the water-tanks supplying the building have been thoroughly cleaned, and the plumbing, gas and steam fitting in the building kept in repair.

THE CITY HALL.
The City Court—Some law books have been furnished. Repairs have been made to the steam pump and a supply of steam for the same furnished. The two rooms adjoining the Mayor's office have been kalsomined, plastering repaired, cornices tinted, and the walls and woodwork cleaned off and painted; also an 18-inch paper border, with picture moulding, around the walls of the inner rooms, has been put up, woodwork grained in imitation of antique oak and varnished.

The committee room was painted, varnished, kalsomined and plastering repaired; woodwork and trim was painted two coats of the best Atlantic lead and oil paint, and all the radiators were rebronzed.

The roof around the base of the clock tower has been repaired, all the damaged tin removed and the same replaced with new tin; all the cracks in base of wooden columns pointed up and all new work painted.

The gutters were repaired with 40 sheets of new tin, and all the damaged tin was taken out. The roof was repaired, and all the work painted with metallic paint.

All the doors and casings in Clerk's office of the Board of Aldermen have been painted, grained and varnished.

Two new 16-inch motor fans were installed in the Mayor's office.

THE BROWN-STONE BUILDING.
The gutter on the front of the building was relined with new tin, all the damaged tin removed; the other gutters and flashings repaired, and painted with one good coat of metallic paint and linseed oil. The window awnings were repaired and some new awnings put up. A wrought-iron blow-off tank, 2 1/2 inches in diameter and 5 feet long, with manhole on top, was put in the building, and necessary connections made with boiler and sewer.

New plumbing work for use of the Department of Street Cleaning on the third floor is being put in, consisting of the furnishing and putting in of 6 "Oval Decoe's" water-closets, 1 urinal and 3 wash-basins, with all necessary fittings and connections, slate and marble work, in accordance with drawings and specifications on file in this Bureau. The above work is progressing favorably.

2,000 hard brick (common) and 500 hard burned North river brick, 4 barrels of Rosendale cement, 4 loads of sand and 1 barrel of plaster, have been furnished to the mason in the employ of this Bureau for necessary work and repairs to the same.

Plans and specifications were drawn necessary in moving Sheriff's office on the first floor and basement of the building.

The walls and ceilings of the Court-rooms, offices and closets adjoining on the first and third floors have been cleaned off, plastering repaired, ceilings kalsomined and woodwork painted, grained and varnished.

Plans and specifications have been drawn to complete the carpenter work for accommodation of the Sheriff. The work is progressing satisfactorily.

All the walls and woodwork of the halls, from the basement floor to top of building, have been painted two good coats of the best Atlantic lead and oil paint, ceilings and walls were washed off and ceilings kalsomined in the best manner, all the doors and woodwork fronting on halls were painted and grained in imitation of antique oak.

NO. 31 CHAMBERS STREET.
A new set of grate bars was put in the boiler furnace. Two new window shades have been put up in room No. 19.

STEWART BUILDING.
Finance Department—Window shades and awnings were put up on the windows, the old awnings repaired and recovered.

1 roll top desk and one rotary chair were furnished to the office of the Commissioners of Accounts, for use of Commissioner Dennis. 1 sound-proof telephone booth was also furnished for above office.

2 new window awnings have been put up in the office of the Commissioners of Taxes. Corporation Counsel's Office.—The window awnings were repaired and put up.

THE MARKETS.
Fulton Market—All the damaged flooring in the above market—in the Beekman street gangway, the centre gangway on Beekman street and inside the fish-stand—have been removed and new flooring and sleepers laid; 780 square feet of 2-inch and 720 square feet of 1 1/8-inch flooring have been laid.

West Washington Market—The rolling shutters at stands No. 31 Thompson avenue, Nos. 16, 62 and 64 Hewitt avenue, No. 34 Bloomfield street, Nos. 50 and 61 Loew avenue, No. 3 West street and Nos. 33 and 39 Gansevoort street, have all been repaired.

Washington Market—The skylights over stands Nos. 18 to 25 and Nos. 12 to 179 have been cleaned off and all loose scale and dirt removed; the centre skylight, north side, and the West street skylight, west side, have been puttied up and the glass given one good coat of lead and oil paint; a barrel of disinfectant was furnished for use of the market.

THE ARMORIES.
Armory Supplies—Samples and specifications were prepared for furnishing the following supplies for use of the several armories, and a contract made for their delivery, as required and directed: 10 boxes Babbitt's soap, 1 barrel soft soap, 7 boxes sapolio, 12 window brushes, with poles; 6 boxes toilet paper, 1 dozen stable brooms, 20 boxes wax tapers, 5 boxes pearline, 1 box potash, 1 dozen squillees, 26 coal hods, 6 dozen hair brooms, 15 mop wringers and handles, 8 dozen galvanized iron and 3 dozen oak pails, 8 dozen galvanized iron pails, 8 gross matches, 10 dozen mop wringers, 20 ash cans, 5 bales cotton waste, 10 dozen chammois skins, 13 dozen sheep's wool sponges, 6 dozen feather dusters, 11 dozen corn brooms, 4 dozen dust brushes, 10 gallons turpentine, 20 gallons machine oil, 20 gallons cylinder oil. All the above articles were the best of their several kinds.

Twelfth Regiment Armory—The four tanks used for washing shells were relined with heavy galvanized iron, and the tanks connected with the water and waste pipes, and the wood-work around the tanks replaced. A case of lockers has also been built in the Surgeon's room.

The First Naval Battalion Ship "New Hampshire"—A supply of cleaners' utensils and material consisting of brooms, mops, pails, brushes, hammers, nails, 1 roll top desk, 6 office chairs (oak rattan seats), 2 pairs of curtains for cabin bulkheads, with brass rods; 2 office rugs, 2 carpet runners, 26 feet long; 1 oak case, 1 oak case, for instruments to be made as directed; 1 oak table, 8 feet x 3 feet, with turned legs and 2 drawers, has also been supplied and delivered on board the ship.

THE COURTS (POLICE AND CIVIL).
Third District Court-house—200 feet of 3/4-inch granite hose, with couplings and nozzle complete, was furnished to the Janitor.

Sixth District Police Court—10 benches were furnished for use of the Court-room, new window shades were hung on the windows of the Judge's room, 1 rug and 1 large cocoa mat was furnished for court-room, 1 World time clock was also furnished.

Seventh District Court-house—1 3-ply granite hose with coupling and nozzle complete was supplied for the use of the Janitor.

First District Civil Court—81 yards of the best linoleum was furnished and laid in the Court-room, new sign-board 20 feet long and 18 inches wide, lettered First Judicial District Court, was put up on the Chambers street side of the building.

Fourth District Civil Court—The partition in the Clerk's room changed and moved 6 feet and a black walnut table desk furnished.

The Fifth District Civil Court—The walls and ceilings of the Janitor's apartments have been painted, ceilings kalsomined and plastering repaired; 4 double and 5 single shades and skylight shades were put up.

HALL OF RECORDS.
Register's Office—Some law books were furnished.
DEPARTMENT OF STREET IMPROVEMENTS, TWENTY-THIRD AND TWENTY-FOURTH WARDS.

1 roll top desk, 6 oak bent chairs and 15 window awnings were repaired and put up; 100 yards of roller toweling and 50 yards of unbleached muslin were furnished.

HARLEM COURT-HOUSE.
Repairs were made to the pump regulator and elevator car in the building; 1 barrel (300 pounds) of Pristine was furnished to the Janitor for cleaning purposes.

THE FREE FLOATING BATHS.
The baths were towed from their winter quarters to their several stations on the North and East rivers.

The gangways repaired, safety-guard rails put up, the gas-fixtures overhauled and put in order, and new gas-hose put in where needed. 2 pine tables and 40 oak bent chairs, 8 dozen squillees with handles, 8 dozen best XXX corn brooms, 2 1/2 dozen boxes wax tapers, 2 1/2 dozen best quality hair scrubbing brushes, 3 1/2 dozen best fine nets, 2 1/2 dozen packages safety matches, 2 1/2 dozen mops (large size, patent handles), 10 dozen extra galvanized iron pails, 8 boxes of 5-inch coach candles (48 pounds to box), 15 gallons astral oil, 60 pounds old canvas, 1 gross hat hooks, 1/2 dozen white stable lanterns, 1 dozen globes for same, 8 dozen 7-inch galvanized T hinges, 1 1/4 dozen hammers, 8 water coolers, 1 1/4 dozen screw drivers, 10 hand bells, 15 boxes tacks, 10 gross lighters, 15 wash basins, 10 wash stands, 60 feet gas hose, 8 gas stoves, 10 axes, 10 gas lighters, 60 red lights 9 by 9 inches, 1 pair spruce oars, 2 pair oar locks.

6 oil-skin suits and 47 linen caps, with double covers, lettered and numbered, were furnished for use on the baths.

The anchors and chains of the Battery Bath, Fifty-first and One Hundred and Thirty-ninth streets, East river, were recovered, and the baths securely moored in their several locations. Arrangements have been made for a supply of ice daily to each bath until the close of the bathing season.

Following are the dates and locations at which the baths were berthed:

BATH.	LOCATION.	OPENED.	BATH.	LOCATION.	OPENED.
No. 1.....	East 5th street.....	June 5	No. 9.....	Duane street.....	June 5
No. 2.....	Battery.....	" 5	No. 10.....	West 50th street.....	" 6
No. 3.....	East 12th street.....	" 5	No. 11.....	East 130th street.....	" 11
No. 4.....	East 28th street.....	" 5	No. 12.....	East 51st street.....	" 5
No. 5.....	Grand street.....	" 5	No. 13.....	West 20th street.....	" 5
No. 6.....	Horatio street.....	" 17	No. 14.....	West 134th street.....	" 5
No. 7.....	East 51st street.....	" 5	No. 15.....	Market street.....	" 5
No. 8.....	East 18th street.....	" 6			

Rules and regulations, obliging all persons, except children, to furnish themselves with bathing dresses, have been posted on the baths, also notices printed in large letters, informing all persons visiting the baths that they are free baths, and requesting information that may lead to the detection of persons demanding money for admission to them, or exacting fee for extra privileges in them.

New pontoons were put in and others taken out and repaired, payed and calked; dressing, reception and living rooms on all the baths cleaned and painted, and all put in first-class condition.

It will be observed by the foregoing report that the duties of this Bureau are various, as they are numerous. They embrace masonry, carpentry, plastering, painting, plumbing, gas and steam and electric wire fitting, iron work and other handicrafts, the construction, repairs and setting of steam boilers, steam engines and power fans, glazing and slate and metal roofing, iron work, furnishing carpets, desks and other furniture for the public offices, furnishing and repairing stoves, radiators and registers, supplying coal, ice and wood, repairing, cleaning and regulating the public and office clocks; furnishing Engineer's and Cleaner's supplies and toilet articles, window awnings and shades and electric wiring. Besides this a supervision is kept over contractors, Carpenters, Janitors, Engineers and Firemen.

The repair, refitting and supervision of the free floating baths is also an exacting work of the Bureau.

Very respectfully, JOHN C. GRAHAM, Superintendent Repairs and Supplies.

DOCUMENT "L."—REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

BUREAU OF INCUMBRANCES, NEW YORK, July 6, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:

DEAR SIR—I have the honor to submit herewith the following report of the business of this Bureau for the quarter ending June 30, 1895 (months of April, May and June):

1,114 complaints of obstructions received and attended to, 419 seizures and removals of obstructions made, 2,173 building material permits issued, 434 miscellaneous permits issued, 3 permits issued to cut down shade trees, 5 notices served to repair defective vault covers.

Expense of seizing and removing 419 articles, including 253 loads of dirt, stone and rubbish, and throwing in dirt, etc., on premises at various places; removing 199 dead and dangerous trees, stumps, posts, etc., \$3,716.55—Total expenses for the quarter, \$5,770.26.

Received from owners for the redemption of seized articles, \$308, all of which was duly paid over to the City Chamberlain. Salary account appropriation, \$8,100; by additional transfer from appropriation for "Removing Obstructions and Incumbrances from Streets and Avenues," \$1,350—\$9,450; expended up to June 30, 1895, \$4,001.29—Balance, \$5,448.71.

Appropriation for "Removing Obstructions from Streets and Avenues," \$25,000; to transfer to appropriation for "Removing Obstructions and Incumbrances from Streets and Avenues—Salaries," \$1,350—\$23,650; expended up to June 30, 1895, \$8,901.33—Balance, \$14,748.67.

Respectfully, WILLIAM HENKEL, Superintendent of Incumbrances.

DOCUMENT "M."—BUREAU OF WATER REGISTER.

BUREAU OF WATER REGISTER, NEW YORK, June 30, 1895. Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties, taps, etc., for quarter ending June 30, 1895:

	Principal.	Penalties.	Taps.
April.....	\$140,082 33	\$679 35	\$1,587 50
May.....	387,712 30	589 20	1,580 00
June.....	434,305 08	441 45	953 50
	\$962,099 71	\$1,710 00	\$4,121 00

920 permits for taps. Total amount..... \$967,930 71

	Steamboat Meters.	Tugs.
April.....	\$7,987 80	\$937 50
May.....	8,449 30	2,802 50
June.....	7,900 30	2,729 30
	\$24,337 40	\$6,469 30

183 permits. Total amount..... \$30,806 70

Deposits to the Credit of Water-meter Fund, No. 2.

April.....	\$493 54
May.....	438 66
June.....	972 09
Total.....	\$1,904 29

Receipts for Croton Water Used for Building Purposes.

April.....	\$4,905 40
May.....	4,063 68
June.....	3,481 60
379 permits issued. Total.....	\$12,450 68

Special Fund—Repairing Streets.

April.....	\$1,550 00
May.....	1,849 50
June.....	1,003 50
652 permits issued. Total.....	\$4,403 00

Receipts for Croton Water Used for Extra Boilers, etc.

April.....	\$35 00
May.....	132 50
June.....	175 50
44 permits issued. Total.....	\$343 00

RECAPITULATION.

Principal.....	\$962,099 71	Extras, boilers, etc.....	\$343 00
Penalties.....	1,710 00	Total.....	\$1,015,934 09
Taps.....	4,121 00	Deposits to credit of Meter Fund, No. 2.....	1,904 29
Steamboat meters.....	24,337 40	Total receipts for the three months ending June 30, 1895.....	\$1,017,838 38
Tugs.....	6,469 30		
Building purposes.....	12,450 68		
Repairing streets.....	4,403 00		

Respectfully submitted, COLUMBUS O. JOHNSON, Water Register.

DOCUMENT "N."—BUREAU OF STREET OPENINGS.

NEW YORK, July 8, 1895. *Hon. WILLIAM BROOKFIELD, Commissioner of Public Works:* Sir—In compliance with your orders of 28th of June, I have prepared a statement of the work of this office for the quarter ending June 30, 1895.

The following streets and avenues, for which rule maps in triplicate with technical descriptions have been made and forwarded to the Counsel to the Corporation, for the appointment of Commissioners of Estimate and Assessment for the opening of One Hundred and Sixty-third street, between Amsterdam avenue and Edgecombe road, Eighty-third and Eighty-fourth streets, between Avenue B and bulkhead-line, East river.

Draft, Damage and Benefit Maps for use of Commissioners appointed by the Supreme Court to open the following streets: One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets, between Amsterdam avenue and Boulevard; One Hundred and Eighty-second street, between Amsterdam avenue and Kingsbridge road; One Hundred and Eighty-sixth and One Hundred and Eighty-eighth streets, between Amsterdam and Wadsworth avenues.

Final Maps, etc.—One Hundred and Eighty-sixth and One Hundred and Eighty-eighth streets, between Amsterdam and Wadsworth avenues; Isham street, between Kingsbridge road and Tenth avenue.

The Final and Complete Maps, Abstracts, etc., for the following street and avenues, are completed, and will be forwarded in a few days, viz.: Ninth avenue, between Two Hundred and First street and Kingsbridge road—Additional area of benefit ordered by the Commissioner for opening, and two copies of final, abstract, etc. Tenth avenue, between Academy street and Kingsbridge road—Additional area of benefit ordered by the Commissioner for opening, and two copies of final maps, abstracts, etc. Edgecombe road, from One Hundred and Fifty-fifth to One Hundred and Seventy-fifth street—Additional draft damage map between One Hundred and Fifty-fifth and One Hundred and Fifty-ninth streets.

This part of the opening map has been delayed to this date, until a copy of chapter 894, Laws 1895, could be obtained, showing what part of the road was to be included in the proposed addition to the Harlem river driveway.

Exterior street, between Sixty-fourth and Eighty-first streets, East river—Estimate copy of benefit maps, covering an area of assessment of 6,903 city lots and plots, ready for delivery. The second and final copy nearly ready.

The work for this quarter shows a total length of streets and avenues prepared of about 28,937 feet, or 5 $\frac{1}{10}$ miles, covering an area of benefit equal to 26,783 city lots.

Maps and profiles for the change and establishing of grades for Fifty-fourth street, between Tenth avenue and the bulkhead-line, Hudson river, and Fiftieth street, between Eleventh avenue and the bulkhead-line, Hudson river.

Survey and maps for the damage map for the use of the Commissioners for the opening and widening of Elm street, from Chambers street to Lafayette place, are now being prepared.

Report and plans, values of property to be taken, etc., in the extension of Centre street, from Broome street to Lafayette place, have been prepared for the use of the Board of Street Opening and Improvement. Respectfully, JOS. O. B. WEBSTER, Assistant Engineer.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 12, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioner James R. Sheffield.

OPENING OF PROPOSALS.

Affidavits as to due publication of advertisements inviting proposals for furnishing hose, hose wagons and hook and ladder trucks, were read and filed and approved forms of contracts submitted.

Proposals were received as follows:

For 10,000 Feet 2½-inch Eureka Fire Hose.

The Eureka Fire Hose Company, at 90 cents per foot, with security deposit check for \$225.....	\$9,000 00
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For 5,000 Feet of 2½-inch Maltese Cross Hose.

The Gutta Percha and Rubber Manufacturing Company, at \$1 per foot, with security deposit check for \$125.....	5,000 00
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For 3,000 Feet of 3-inch Maltese Cross Hose.

The Gutta Percha and Rubber Manufacturing Company, at \$1.60 per foot, with security deposit check for \$125.....	4,800 00
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For 5,000 Feet of 2½-inch P. G. Hose.

The Revere Rubber Company, at 90 cents per foot, with security deposit check for \$250.....	4,750 00
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All of which were referred to the Comptroller for his action on the sureties.

For Three First Size Hose Wagons.

No. 1. Gleason & Bailey Manufacturing Company, at \$513 each, with security deposit of \$40.....	1,539 00
No. 2. P. Barrett, Son & Co., at \$496.50 each, with security deposit of \$40.....	1,489 50

For Seven Second Size Hose Wagons.

No. 1. Gleason & Bailey Manufacturing Company, at \$499 each, with security deposit of \$90.....	3,493 00
No. 2. P. Barrett, Son & Co., at \$492.50 each, with security deposit of \$90.....	3,447 50

For One First Size Hook and Ladder Truck.

No. 1. Rumsey & Co., Limited, with security deposit of \$40.....	1,747 00
No. 2. Gleason & Bailey Manufacturing Company, with security deposit of \$40.....	1,550 00

For Two Third Size Steel Frame Hook and Ladder Trucks.

No. 1. Rumsey & Co., Limited, \$1,597 each, with security deposit of \$90.....	3,194 00
No. 2. Gleason & Bailey Manufacturing Company, \$725 each, with security deposit of \$90.....	1,450 00

Nos. 1 were ordered on file, Nos. 2 were referred to the Comptroller for his action on the sureties.

It was, on motion, ordered that all the security deposits be forwarded to the Comptroller.

The Board then took a recess and reconvened at 11 o'clock A.M.

TRIALS.

Fireman 1st grade John P. Walsh, Hook and Ladder 15, for "neglect of duty." Fined two days' pay.

Fireman 2d grade John F. Galligan, Engine 12, for "disrespect to superior officer" and "conduct prejudicial to good order." Adjourned for one week.

Fireman 3d grade James W. Merry, Engine 27, for "violation of section 66, Article VI., Rules and Regulations." Excusable.

Fireman 1st grade John F. Fitzpatrick, Engine 23, for "absence without leave." Fined two days' pay.

Fireman 1st grade Alfred O. Pinson, Engine 35, for "neglect of duty." Fined one day's pay.

Engineer of steamer Otto C. Rigl, for "making false entry in company's journal." Reprimanded.

Assistant Foreman Gustave G. Nagel, of Engine 52, for "violation of section 14, Article VI., Rules and Regulations," and "neglect of duty." Fined ten days' pay on each charge and warned.

The action of the President communicating to the Department of Docks request for spring piles at Pier foot of Fifth street, East river, was approved.

The letter of resignation of ununiformed Fireman Eugene Silverman was returned by Commissioner Sheffield, with recommendation that his petition for permission to withdraw same be granted. Approved.

Requisition of Superintendent of Telegraph, for articles and materials for connecting new berth of fireboat "Havemeyer" (Fifth street and East river) with the Department (estimated cost \$50.50) was approved, and the expenditures authorized.

Communication from ex-Foreman Charles L. Kelley relative to his application for re-assignment to duty was referred to Commissioner Ford.

Adjourned.

CARL JUSSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 13, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioners James R. Sheffield and Austin E. Ford.

Another hearing was given the Manhattan Auxiliary Fire Alarm Company on their application for permission to connect their system with the fire-alarm street boxes.

COMMUNICATIONS.*Filed.*

Copy of circular letter and letter from Egbert L. Viele, Chairman of Committee, requesting co-operation of the Fire Department in the ceremonies attending the opening of the Harlem Ship Canal.

Request of the Chief of Department that a band be provided for the parade of the Department on occasion of the ceremonies attending the opening of the Harlem Ship Canal. Approved and ordered, and

On motion, it was Ordered, That in compliance with notice published in the CITY RECORD the offices, etc., of this Department be closed, so far as practicable, on Monday, 17th instant, on the occasion of the celebration of the opening of the Harlem Ship Canal.

Eligible list, containing one name for position of Blacksmith's Helper, was returned by Commissioner Ford, with recommendation that it be rejected. Approved.

Notice of test of new water tower.

Adjourned.

CARL JUSSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 18, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioners James R. Sheffield and Austin E. Ford.

APPOINTMENTS.

As ununiformed Firemen, with salaries at the rate of \$1,000 per annum, from 21st inst.: Bernard J. Coyle, Engine 31; Lawrence J. Logan, Engine 13; John T. Murphy, Hook and Ladder 1; Samuel Hague, Engine 25; Edward T. Tracey, Engine 12.

Eligible list from Civil Service Examining Board, containing twelve names of applicants for appointment as firemen, was filed.

Ordered, That the Civil Service Examining Board be requested to hold a new examination of applicants for the position of fireman as soon as practicable.

Adjourned.

CARL JUSSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 19, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioners James R. Sheffield and Austin E. Ford.

TRIALS.

Engineer of Steamer Louis Hellner, Engine 19, for "disobedience of orders." Fined one day's pay.

Firemen 1st grade John J. McCue, Engine 52, for "neglect of duty and under the influence of liquor." Fined twenty days' pay and warned.

Firemen 1st grade John McLaughlin, No. 2, Engine 59, for "violation of section 36, article VI. Rules and Regulations." Fined five days' pay.

Fireman 2d grade John F. Galligan, Engine 12, for "conduct prejudicial to good order and disrespect toward commanding officer." Adjourned to 11 A.M., 26th instant.

Ordered, That a certificate be prepared to carry out the provisions of the laws (Chapter 417, 1895) requiring street and surface railroad companies to transfer firemen free of charge, while traveling in the cars in the course of their performance of the duties of their office, and that the same be submitted to the Mayor for his approval.

Adjourned.

CARL JUSSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 21, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioner Ford.

REQUISITIONS.*Expenditures Authorized.*

Repairs to subway vault, \$50; map of new section of city, \$20; steam-fitting, \$56; roofing, and skylight, \$229.50; lumber for house of Engine 2, \$96.29; Watchman's services, house of Engine 2, \$220; lumber for house of Engine 14, \$105; Watchman's services, house of Engine 14, \$12; wagon umbrella, \$5; window awnings, \$10; hat numbers, \$40; valves and steam cocks, \$59.08; composition castings, \$20; tap bolts, \$29.36; files, \$33.12; ladders, \$268.80.

Referred.

Request of the Chief of Department to have his residence connected by telephone. Approved.

To the Superintendent of Telegraph.

Report relative to connecting Westchester Village by telegraph. Back to the Superintendent of Telegraph to have the work done.

Filed.

Report of receipt of new water tower. Report of sale of horses. Account sales of horses. Report of death of horse 518. Copy of resolution of Board of Estimate and Apportionment transferring \$720 to Department of Public Works. Notice that Collector of City Revenue will take charge of property south side of One Hundred and Thirty-eighth street. Statement of condition of appropriation to June 15.

Complimentary receipt for Ambulance service.

Liens filed against Thomas A. Duffy, contractor, for erecting houses for Engines 2 and 14, viz.: Robert P. Mackey, \$400; Albert Riecker, \$13.80; Gottlieb Moehle, \$67.50; John Harnetz, \$57.25; Francesco Levin, \$20.13; Frederick Kern, \$19.13; Nicholas Planski, \$31; Charles Gleichman, \$40.25; George Ulmer, \$47.60; Conrad Dieter, \$30.

BILLS AND PAY-ROLLS AUDITED.

Schedule No. 164 of 1892—Total.....	\$5,043 97
Schedule No. 153 of 1893—Total.....	13,026 03
Schedule No. 154 of 1893—Total.....	240 00
Schedule No. 149 of 1894—Total.....	5,971 75
Schedule No. 52 of 1895—Total.....	5,644 03
Schedule No. 53 of 1895—Total.....	2,158 69
Schedule No. 54 of 1895—Total.....	1,732 56
Schedule No. 55 of 1895—Total.....	1,981 88

COMMUNICATIONS.*Referred.*

Applications of Firemen 1st grade James D. Clifford, Charles Sheridan and John F. Fennell, for promotion. To the Examining Board.

Offer of Kane and Roach to place on trial at the Repair Shops a "tire upsetter" and a "tire bender," without expense to the City. To the Foreman in charge of Repair Shops for report.

Filed.

Report of Superintendent of Telegraph of necessity of employing another man on underground and the employment of Henry C. Doerr approved; copy of report of District Superintendent of Street Cleaning Department concerning trouble between street-cleaning employees and members of the Fire Department, which was returned by the President with report. Request of Metropolitan Telephone and Telegraph Company for permission to reduce the height of certain telegraph poles. Approved. Application of E. Drevet, for reassignment and opinion of Attorney thereon. Report of tests of hydrants. List of assignments and transfers. Report of death of Relieved Fireman John McCarthy, No. 1. Petition of Fireman John Ryan, No. 1, to have deducted pay returned to him. Ordered. Report of death of Operator John H. Kavanagh. Report of damage and repairs to subway cables. Request of Civil Service Examining Board for report; ordered. Reply of Commissioners of Charities and Correction as to transportation to the island in case of fire. Resolution of Department of Docks, setting apart part of Pier foot of Fifth street, East river, for the fireboat "Havemeyer." Relative to repairs to wharf at the Battery. Relative to request of Police Department for information of Frank McGowan. Relative to the grades of streets in vicinity of Grammar School No. 46, Spuyten Duyvil. Request of Supervisor of City Record to reduce number of copies of CITY RECORD. Applications of August Essberger and Francis J. Finn for appointment. Relative to placing a West disinfecting apparatus on trial in this Department.

Upon report of the Judge Publishing Company that persons claiming to represent the Fire

Department were trying to sell a book for the alleged benefit of Firemen, it was directed that the public be notified through the press that no person has authority to represent this Department.

ADVANCEMENTS IN GRADE
were ordered as follows, to take effect from 1st proximo:

From Second to First Grade.

Fireman John L. McCormack, Hook and Ladder 20.

From Third to Second Grade.

Firemen Martin H. O'Leary, Engine 12; Richard Lawlor, Engine 13; Harry McKavanagh, Engine 15; William H. Smith, Engine 24; John Kennelly, Engine 27; Frederick Anderson, Engine 31; Gerhardt E. Weber, Engine 55; William D. Rice, Jr., Hook and Ladder 5, and Thomas Kelly, Hook and Ladder 15.

PROMOTIONS ORDERED.

Assistant Operator J. M. Jones to be Operator, with salary at rate of \$1,300 per annum, from 24th instant.

DISCHARGED.

Stableman Clement Caspary, from 11th instant.

The Chairman of Committee on Buildings and Supplies reported that apparatus, implements and hose had been applied for by the Volunteer Fire Company in Eastchester Village and recommended that upon receipt of formal application it be allowed. Which was approved.

Ordered, That application be made to the Commissioners of the Sinking Fund for assignment to this Department of the rooms in the building, the lower part of which is occupied by apparatus companies of this Department, at the southwest corner of Chamber and Centre streets.

Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 22, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioner Austin E. Ford.

OPENING OF PROPOSALS.

The affidavit as to due publication of advertisement inviting proposals for supplying the Department with 6,250 tons of anthracite coal was read and filed and approved forms of contract submitted.

Proposals were received as follows:

No. 1. Alfred Barber's Son.....	\$24,750 00
No. 2. Olin J. Stephens.....	24,375 00
No. 3. Meyer, Denken & Hoerg.....	20,437 50
No. 4. Manhattan Coal Co.....	21,502 50
No. 5. George W. Winant & Son.....	21,500 00
No. 6. Samuel G. French.....	21,375 00
No. 7. Samuel G. French.....	20,750 00

Each proposal was accompanied with security deposit, certified check for \$600. No. 3 was referred to the Comptroller for his action on the sureties. Nos. 1, 2, 4, 5 and 6 were filed.

A communication from Ernest M. Munn & Co., offering to furnish egg and nut coal at \$3.50 per ton and stove coal at \$3.60 per ton, was filed.

Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, NEW YORK, June 25, 1895.

The Board of Commissioners met this day.

Present—President O. H. La Grange and Commissioners James R. Sheffield and Austin E. Ford.

On motion, Ordered, That Bookkeeper Joseph I. Berry be notified that his resignation as Bookkeeper, if tendered by Thursday next, will be accepted, to take effect on the 30th instant.

On motion, Ordered, That Superintendent of Supplies Charles A. Soteldo be notified that his resignation will be accepted, to take effect on the 30th instant, if tendered by Thursday next.

Leave of absence, on account of sickness, was granted to Medical Officer Frank L. Ives, from the 1st proximo, for sixty days.

Adjourned.

CARL JUSSEN, Secretary.

OFFICIAL DIRECTORY.

Mayor's Office—No. 6 City Hall, 9 A. M. to 5 P. M.
Saturdays, 9 A. M. to 12 M.
Mayor's Marshal's Office—No. 1 City Hall, 9 A. M. to 4 P. M.
Commissioners of Accounts—Stewart Building, 9 A. M. to 4 P. M.
Aqueduct Commissioners—Stewart Building, 5th floor, 9 A. M. to 4 P. M.
Board of Armory Commissioners—Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.
Clerk of Common Council—No. 8 City Hall, 9 A. M. to 4 P. M.
Department of Public Works—No. 31 Chambers street, 9 A. M. to 4 P. M.
Department of Street Improvements, Twenty-third and Twenty-fourth Wards—No. 2622 Third avenue, 9 A. M. to 4 P. M.; Saturdays, 12 M.
Department of Buildings—No. 220 Fourth avenue, 9 A. M. to 4 P. M.
Comptroller's Office—No. 15 Stewart Building, 9 A. M. to 4 P. M.
Auditing Bureau—Nos. 19, 21 and 23 Stewart Building, 9 A. M. to 4 P. M.
Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents—Nos. 31, 33, 35, 37 and 39 Stewart Building, 9 A. M. to 4 P. M. No money received after 2 P. M.
Bureau for the Collection of City Revenue and of Markets—Nos. 1 and 3 Stewart Building, 9 A. M. to 4 P. M. No money received after 2 P. M.
Bureau for the Collection of Taxes—Stewart Building, 9 A. M. to 4 P. M. No money received after 2 P. M.
City Chamberlain—Nos. 25 and 27 Stewart Building, 9 A. M. to 4 P. M.
City Paymaster—Stewart Building, 9 A. M. to 4 P. M.
Counsel to the Corporation—Staats-Zeitung Building, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.
Public Administrator—No. 119 Nassau street, 9 A. M. to 4 P. M.
Corporation Attorney—No. 119 Nassau street, 9 A. M. to 4 P. M.
Attorney for Collection of Arrears of Personal Taxes—Stewart Building, 9 A. M. to 4 P. M.
Bureau of Street Openings—Staats-Zeitung Building.
Police Department—Central Office, No. 300 Mulberry street, 9 A. M. to 4 P. M.
Board of Education—No. 146 Grand street.
Department of Charities and Correction—Central Office, No. 66 Third avenue, 9 A. M. to 4 P. M.
Fire Department—Headquarters, Nos. 157 to 159 East Sixty-seventh street, 9 A. M. to 4 P. M.; Saturdays, 12 M. Central Office open at all hours.
Health Department—New Criminal Court Building, Centre street, 9 A. M. to 4 P. M.
Department of Public Parks—Arsenal, Central Park, Sixty-fourth street and Fifth avenue, 10 A. M. to 4 P. M.; Saturdays, 12 M.
Department of Docks—Battery, Pier A, North river, 9 A. M. to 4 P. M.
Department of Taxes and Assessments—Stewart Building, 9 A. M. to 4 P. M.; Saturdays, 12 M.
Board of Electrical Control—No. 1262 Broadway.
Department of Street Cleaning—No. 32 Chambers street, 9 A. M. to 4 P. M.
Civil Service Board—Criminal Court Building, 9 A. M. to 4 P. M.
Board of Estimate and Apportionment—Stewart Building.
Board of Assessors—Office, 27 Chambers street, 9 A. M. to 4 P. M.
Board of Excise—Criminal Court Building, 9 A. M. to 4 P. M.
Sheriff's Office—Nos. 6 and 7 New County Court-house, 9 A. M. to 4 P. M.
Register's Office—East side City Hall Park, 9 A. M. to 4 P. M.
Commissioner of Jurors—Room 127, Stewart Building, 9 A. M. to 4 P. M.
County Clerk's Office—Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
District Attorney's Office—New Criminal Court Building, 9 A. M. to 4 P. M.
The City Record Office—No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, 9 A. M. to 12 M.
Governor's Room—City Hall, open from 10 A. M. to 4 P. M.; Saturdays, 10 to 12 A. M.
Coroner's Office—New Criminal Court Building, 8

A. M. to 5 P. M.; Sundays and holidays, 8 A. M. to 12:30 P. M. Edward F. Reynolds, Clerk.
Surrogate's Court—New County Court-house, 10:30 A. M. to 4 P. M.
Supreme Court—Second floor, New County Court-house, 9:30 A. M. to 4 P. M. General Term, Room No. 9. Special Term, Part I., Room No. 10. Special Term, Part II., Room No. 18. Chambers, Room No. 17. Circuit, Part I., Room No. 12. Circuit, Part II., Room No. 14. Circuit, Part III., Room No. 13. Circuit, Part IV., Room No. 15.
Superior Court—Third floor, New County Court-house, 11 A. M. to 4 P. M. General Term, Room No. 35. Special Term, Room No. 33. Equity Term, Room No. 36. Chambers, Room No. 33. Part I., Room No. 34. Part II., Room No. 35. Part III., Room No. 36. Naturalization Bureau, Room No. 31. Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.
Court of Common Pleas—Third floor, New County Court-house, 9 A. M. to 4 P. M. Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M. Clerk's Office, Room No. 21, 9 A. M. to 4 P. M. General Term, Room No. 24, 11 A. M. to adjournment. Special Term, Room No. 22, 11 A. M. to adjournment. Chambers, Room No. 22, 10:30 A. M. to adjournment. Part I., Room No. 26, 11 A. M. to adjournment. Part II., Room No. 24, 11 A. M. to adjournment. Equity Term, Room No. 25, 11 A. M. to adjournment. Naturalization Bureau, Room No. 23, 9 A. M. to 4 P. M.
Court of General Sessions—New Criminal Court Building, Centre street. Court opens at 10 o'clock A. M.; adjourns 4 P. M. Clerk's Office, 10 A. M. till 4 P. M.
City Court—City Hall. General Term, Room No. 20. Trial Term, Part I., Room No. 20; Part II., Room No. 21; Part III., Room No. 15; Part IV., Room No. 11. Special Term Chambers will be held in Room No. 19, 10 A. M. to 4 P. M. Clerk's Office, Room No. 10, City Hall, 9 A. M. to 4 P. M.
Over and Terminer Court—New Criminal Court Building, Centre street. Court opens at 10 o'clock A. M. Court of Special Sessions—New Criminal Court Building, 10:30 A. M., excepting Saturday.
District Civil Courts—First District—Southwest corner of Centre and Chambers streets. Clerk's office open from 9 A. M. to 4 P. M. Second District—Corner of Grand and Centre streets. Clerk's Office open from 9 A. M. to 4 P. M. Third District—Southwest corner Sixth avenue and West Tenth street. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M. Fourth District—No. 30 First street. Court opens 9 A. M. daily. Fifth District—No. 154 Clinton street. Sixth District—Northwest corner Twenty-third street and Second avenue. Court opens 9 A. M. daily. Seventh District—No. 151 East Fifty-seventh street. Court opens 9 o'clock (except Sundays and legal holidays). Eighth District—Northwest corner of Twenty-third street and Eighth avenue. Court opens 9 A. M. Trial days: Wednesdays, Fridays and Saturdays. Return days: Tuesdays, Thursdays and Saturdays. Ninth District—No. 170 East One Hundred and Twenty-first street. Court opens every morning at 9 o'clock (except Sundays and legal holidays). Tenth District—Corner of Third avenue and One Hundred and Fifty-eighth street, 9 A. M. to 4 P. M. Eleventh District—No. 919 Eighth avenue. Court open daily (Sundays and legal holidays excepted) from 9 A. M. to 4 P. M.
City Magistrates' Courts—Office of Secretary, Fifth District Police Court, One Hundred and Twenty-fifth street, near Fourth avenue. First District—Tomb's, Centre street. Second District—Jefferson Market. Third District—No. 69 Essex street. Fourth District—Fifty-seventh street, near Lexington avenue. Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place. Sixth District—One Hundred and Fifty-eighth street and Third avenue.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK, 1895.
OWNERS WANTED BY THE PROPERTY CLERK OF THE POLICE DEPARTMENT OF THE CITY OF NEW YORK, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boots, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc., also small amount money taken from prisoners and found by patrolmen of this Department.
JOHN F. HARRIOT, Property Clerk.

COLLEGE OF THE CITY.

A STATED SESSION OF THE BOARD OF Trustees of the College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, September 17, 1895, at 4:30 o'clock P. M.
ROBERT MACLAY, Chairman.
ARTHUR McMULLIN, Secretary.
Dated NEW YORK, September 10, 1895.

CITY CIVIL SERVICE BOARDS.

NEW CRIMINAL COURT BUILDING,
NEW YORK, August 28, 1895.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations for the positions below mentioned will be held on the dates specified:
September 11, AUDITOR, Fire Department.
September 12, DEPUTY FIRE MARSHAL, Fire Department.
September 12, BUILDING SUPERINTENDENT, Fire Department.
September 13, DEPUTY SUPERINTENDENT OF STABLES, Fire Department.
September 13, PURCHASING AGENT, Fire Department.
September 13, CHIEF INSPECTOR OF ELECTRICAL APPLIANCES, Fire Department.
In the examinations for the positions of Deputy Superintendent of Stables, Purchasing Agent and Chief Inspector of Electrical Appliances only such persons will be allowed to compete whose character shall have been approved by the Board of Fire Commissioners as being such as to qualify them for such employment.
LEE PHILLIPS, Secretary and Executive Officer.

DEPARTMENT OF PUBLIC WORKS

COMMISSIONER'S OFFICE, No. 31 CHAMBERS STREET,
NEW YORK, September 9, 1895.

BIDS OR PROPOSALS FOR PROVIDING wharfage and storage for the fifteen Free Floating Baths, from the close of the bathing season of 1895 to the beginning of the bathing season 1896.
Bids or proposals, inclosed in a sealed envelope, indorsed as above, and with the name and address of the bidder, will be received at this office until 12 o'clock P. M., September 23, 1895, at which time and place they will be publicly opened and read.

The bidder must state the amount, in writing, and also in figures, at which he will agree to provide the wharfage and storage for each bath per diem.

The estimated period the wharfage will be required is from October 15, 1895, until May 15, 1896.

In the storage of baths there must be ample room for the baths to be stored five to six feet apart. No obstruction of any kind to be allowed in the basin or place of storage for the baths.

The privilege of repairing baths at the place of storage is essential and must be a condition of the lease. No extra charge to be made for material of any kind that may be delivered at the place of storage, nor on the dock or place adjoining it.

The Commissioner of Public Works reserves the right to increase or diminish the length of the period the baths may be in storage.

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 estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true.

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 \$200. 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 lease is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the lease 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 lease 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 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, and any further information desired, can be obtained at Room No. 15, No. 31 Chambers street.

WILLIAM BROOKFIELD, Commissioner of Public Works.

CORPORATION NOTICE.

PUBLIC NOTICE IS HEREBY GIVEN TO THE owner or owners, occupant or occupants, of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

List 4120, No. 1. Regulating, grading, setting curbstones and flagging, laying crosswalks and building culverts in One Hundred and Sixty-first street, from Third to Gerard avenue, together with a list of awards for damages caused by a change of grade.

List 4818, No. 2. Regulating, grading, curbing and flagging One Hundred and Eighty-seventh street, from Amsterdam avenue to Kingsbridge road.

List 4989, No. 3. Sewer in Ninety-sixth street, between First avenue and Harlem river.

List 5008, No. 4. Laying crosswalk on south side of One Hundred and Twenty-first street, across Avenue St. Nicholas and Eighth avenue.

List 5009, No. 5. Laying crosswalks across Barclay and Vesey streets at the easterly and westerly sides of Church street.

List 5010, No. 6. Receiving-basins on the northwest corner of One Hundred and Fifty-first street and southwest corner of One Hundred and Fifty-second street and Convent avenue.

List 5011, No. 7. Receiving-basins on the northwest corner of One Hundred and Fiftyth street and southwest corner of One Hundred and Fifty-first street and Convent avenue.

List 5012, No. 8. Sewer in Avenue St. Nicholas, west side, between One Hundred and Nineteenth and One Hundred and Twentieth streets.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of One Hundred and Sixty-first street, from Third to Gerard avenue, and to the extent of half the block at the intersecting avenues.

No. 2. Both sides of One Hundred and Eighty-seventh street, from Amsterdam avenue to Kingsbridge road, and to the extent of half the block at the intersecting avenues.

No. 3. Both sides of Ninety-sixth street, from First avenue to a point distant easterly about 145 feet.

No. 4. To the extent of half the block from the south

side of One Hundred and Twenty-first street at the junction of Eighth avenue and Avenue St. Nicholas.

No. 5. To the extent of half the block of Vesey and Barclay streets at the easterly and westerly intersections of Church street.

No. 6. Block bounded by One Hundred and Fifty-first street and One Hundred and Fifty-second street, Convent and Amsterdam avenues.

No. 7. Block bounded by One Hundred and Fiftyth and One Hundred and Fifty-first streets, Convent and Amsterdam avenues.

No. 8. West side of Avenue St. Nicholas, from One Hundred and Nineteenth to One Hundred and Twentieth street, and north side of One Hundred and Nineteenth street, from Avenue St. Nicholas to Eighth avenue.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments, for confirmation on the 7th day of October, 1895.

CHARLES E. WENDT, Chairman, PATRICK M. HAVERTY, EDWARD CAHILL, HENRY A. GUMBLETON, Board of Assessors.
NEW YORK, September 7, 1895.

PUBLIC NOTICE IS HEREBY GIVEN TO THE owner or owners, occupant or occupants, of all houses and lots, improved or unimproved lands affected thereby, that the following assessments have been completed and are lodged in the office of the Board of Assessors for examination by all persons interested, viz.:

List 4983, No. 1. Flagging and reflagging, curbing and recuring east side of First avenue, from Sixty-second to Sixty-fourth street.

List 4984, No. 2. Flagging and reflagging, curbing and recuring West End avenue, west side, Seventy-ninth to Eighty-first street, and east side, Seventy-eighth to Eighty-third street.

List 4985, No. 3. Flagging and reflagging, curbing and recuring Eighty-first street, north side, between West End avenue and Kiverside Drive.

List 4986, No. 4. Flagging and reflagging, curbing and recuring north side of Eighty-fifth street, between First and Second avenues.

List 4987, No. 5. Flagging and reflagging, curbing and recuring Amsterdam avenue, west side, between Seventy-ninth and Eightieth streets.

List 5000, No. 6. Flagging and reflagging, curbing and recuring One Hundred and Twenty-first street, north side, 100 feet west of Eighth avenue.

List 5001, No. 7. Flagging and reflagging, curbing and recuring Ninety-seventh street, south side, between Lexington and Park avenues.

List 5002, No. 8. Flagging and reflagging, curbing and recuring west side Seventh avenue, from One Hundred and Forty-ninth to One Hundred and Fifty-third street.

List 5003, No. 9. Flagging and reflagging, curbing and recuring the east side of Madison avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.

List 5004, No. 10. Flagging and reflagging, curbing and recuring south side of Second street, from Avenue A to Avenue B.

List 5005, No. 11. Flagging and reflagging, curbing and recuring Eighty-eighth street, south side, between First and Second avenues, and Second avenue, west side, between Eighty-seventh and Eighty-eighth streets.

List 5006, No. 12. Flagging and reflagging, curbing and recuring Nos. 5 to 11 Broadway.

List 5007, No. 13. Flagging and reflagging, curbing and recuring Sixty-fifth street, south side (beginning 100 feet), east of Columbus avenue.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Block 1457, Ward Nos. 1, 2, 3, 4, 45, 46, 47, 48, and Block 1458, Ward Nos. 1, 2, 3, 4, 45, 46, 47, 48, Nineteenth Ward.

No. 2. Block 213, Ward Nos. 1, 2, 3, 4, 61, 62, 63, 64; Block 214, Ward Nos. 1, 2, 3, 4, 61, 62, 63, 64; Block 215, Ward Nos. 1, 2, 3, 4, 61, 62, 63, 64; Block 216, Ward Nos. 1, 2, 3, 4, 61, 62, 63, 64; Block 261, Ward Nos. 29, 30, 31, 32, 33, 34, 34½, 35, 36, and Block 260, Ward Nos. 29, 30, 31, 32, 33, 34, 35, 36, Twenty-second Ward.

No. 3. Block 262, Ward Nos. 20 to 24, inclusive, Twenty-second Ward.

No. 4. Block 1548, Ward Nos. 1, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 22, 23, 23½, Nineteenth Ward.

No. 5. Block 214, Ward Nos. 29, 30, 31, 32, Twenty-second Ward.

No. 6. Block 933, Ward No. 29, Twelfth Ward.

No. 7. Block 1024, Lot Nos. 59 to 68, inclusive, Twelfth Ward.

No. 8. Block 850, Ward Nos. 29 to 36, inclusive; Block 851, Ward Nos. 29 to 36, inclusive; Block 852, Ward Nos. 29 to 36, inclusive; Block 853, Ward Nos. 29 to 36, inclusive, Twelfth Ward.

No. 9. Block 1622, Lot No. 53, Twelfth Ward.

No. 10. South side of Second street, from Avenue A to Avenue B.

No. 11. Block 1550, Ward Nos. 34 to 42, inclusive, and Block 1533, Ward Nos. 26, 27, 28, 29, Twelfth Ward.

No. 12. Broadway, Ward Nos. 398, 399, 400, 401, First Ward.

No. 13. Block 111, Ward Nos. 58, 59, 60, Twenty-second Ward.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections, in writing, to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 30th day of September, 1895.

CHARLES E. WENDT, Chairman, PATRICK M. HAVERTY, EDWARD CAHILL, HENRY A. GUMBLETON, Board of Assessors.
NEW YORK, August 31, 1895.

STREET IMPROVEMENTS, 23D AND 24TH WARDS.

NEW YORK, September 2, 1895.

SEALED BIDS OR ESTIMATES FOR EACH OF the following-mentioned works, with the title of the work and the 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, No. 2622 Third avenue, corner of One Hundred and Forty-first street, until 2 o'clock P. M., on Monday, September 16, 1895, at which place and hour they will be publicly opened:

No. 1. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSSWALKS IN WEBSTER AVENUE, from the Southern Boulevard to Moshulu Parkway.

No. 2. FOR REGULATING AND PAVING, WITH TRAP-BLOCK PAVEMENT, THE CARRIAGEWAY OF AND LAYING CROSSWALKS IN ONE HUNDRED AND THIRTY-SIXTH STREET, from Alexander avenue to Willis avenue.

No. 3. FOR REGULATING AND PAVING, WITH GRANITE-BLOCK PAVEMENT, THE CARRIAGEWAY OF AND LAYING CROSSWALKS IN TINTON AVENUE, from Westchester avenue to One Hundred and Sixty-ninth street.

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.

THE RIGHT TO DECLINE ALL THE ESTIMATES IS RESERVED, IF DEEMED FOR THE INTERESTS 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 material, can be obtained upon application therefor at the office of the Department.

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

Dated New York, July 25, 1895.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED at the office of the Board of Education, corner of Grand and Elm streets, until Thursday, September 13, 1895, at 4 o'clock p. m., for supplying the Coal required for the Public Schools in that part of the City of New York constituting the recently annexed district, until May 1, 1896, say five hundred (500) tons, more or less. The coal must be of the best quality of white ash-egg and stove sizes—clean and in good order, two thousand two hundred and forty (2,240) pounds to the ton, and must be delivered in the bins of the several school buildings at such times and in such quantities as required by the Committee on Supplies.

The proposals must state the mines from which it is proposed to supply the coal (to be furnished from the mines named if accepted), and must state the price per ton of two thousand two hundred and forty (2,240) pounds.

The quantity of the various sizes of coal required will be about as follows, viz.:

Four hundred and fifty (450) tons of egg size.

Fifty (50) tons of stove size.

Said coal will be inspected and said coal weighed under the supervision of the Inspector of Fuel of the Board of Education.

The contractor will be required to present with every bill for deliveries a bill of lading with each boat-load as partial evidence of the kind and quality of the coal claimed to have been delivered, and with all bills to present his affidavit stating the quantity and quality of coal delivered, where the same was weighed, and certifying the correctness of his claim.

The coal must be delivered on or before the first day of October next, at the schools, as follows:

Union Free School No. 4, at Unionport, about 40 tons Egg Coal.

District School No. 1, at Westchester, about 80 tons Egg Coal.

Annex to District School No. 1, at Westchester, about 16 tons Stove Coal.

Union Free School No. 3, at Schuylerville, about 40 tons Egg Coal.

Union Free School No. 2, at Williamsbridge, about 80 tons Egg Coal.

District School No. 2 (Annex) at Williamsbridge, about 80 tons Egg Coal.

Wakefield School at Wakefield, about 80 tons Egg Coal.

District School No. 2 at Bronxville, about 12 tons Stove Coal.

Union Free School No. 1, at Eastchester, about 50 tons Egg Coal.

City Island School at City Island, about 20 tons Stove Coal.

Two stipulated sureties, or bond by one of the Guarantee Companies, for the faithful performance of the contract, will be required, and each proposal must be accompanied by the signatures and residences of the proposer's sureties. No compensation above the contract price will be allowed for delivering said coal at any of the schools, nor for putting the same in the bins of said school buildings.

Proposals must be directed to the Committee on Supplies of the Board of Education, and should be indorsed "Proposals for Coal."

The Committee reserves to itself the right to impose such conditions and penalties in the contract as it may deem proper, and to reject any or all proposals received when deemed best for the public interest.

Any further information can be obtained from the Clerk of the Board of Education.

EDWARD H. PEASLEE, J. A. GOULDEN, JACOB W. MACK, Committee on Supplies.

NEW YORK, September 4, 1895.

NORMAL COLLEGE OF THE CITY.

A STATED SESSION OF THE BOARD OF Trustees of the Normal College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, September 17, 1895, at 4 o'clock p. m.

ROBERT MACLAY, Chairman.

ARTHUR McMULLIN, Secretary.

Dated New York, September 10, 1895.

DEPARTMENT OF PUBLIC PARKS.

NEW YORK, September 6, 1895.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES FOR THE following-mentioned works, with the title of the work and name of the bidder indorsed thereon, will be received by the Department of Public Parks, at its offices, the Arsenal, Central Park, until 9.30 o'clock a. m., on Wednesday, September 13, 1895:

No. 1. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON PRESENT MACADAM PAVEMENT THE CARRIAGEWAY OF FIFTH AVENUE, from Ninetieth street to the Plaza, One Hundred and Tenth street.

No. 2. FOR REGULATING AND PAVING WITH Telford Pavement THE ROADWAY OF MOSHOLU AVENUE, between Broadway and the main line of the Putnam Division of the New York Central and Hudson River Railroad in Van Cortlandt Park.

No. 3. FOR REGULATING AND PAVING WITH Telford Pavement THE ROADWAY OF MOSHOLU AVENUE, between the main line of the Putnam Division of the New York Central and Hudson River Railroad and Jerome avenue in Van Cortlandt Park.

No. 4. FOR FITTING UP THE NORTH END OF THE BASEMENT OF THE ARSENAL BUILDING, CENTRAL PARK.

No. 5. FOR PERFORMING THE WORK OF REMOVAL OF THE OLD STONE PIVOT PIER, WITH FOUNDATIONS OF THE FORMER MACOMBE'S DAM BRIDGE ON THE HARLEM RIVER, AT ONE HUNDRED AND FIFTY-FIFTH STREET.

The Engineer's estimates of the works to be done and by which the bids will be tested, are as follows:

No. 1, ABOVE MENTIONED.

24,450 square yards of pavement of asphalt.

200 lineal feet new blue-stone curb, five inches thick, to furnish and set.

A provision in the contract requires the maintenance of the pavement in good condition for the period of FIVE YEARS from the final completion and acceptance thereof; and authorizes the certain sum of fifteen per cent. of the whole of the moneys accruing for the asphalt pavement to be retained for said maintenance.

The work to be commenced within TEN DAYS after the execution of the contract, and to be fully completed on or before the 1st day of December, 1895, 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 completion thereof has expired, are fixed at TWENTY DOLLARS PER DAY.

The amount of security required is THIRTY-FIVE THOUSAND DOLLARS.

The bidder must deposit with the Commissioners of the Department of Public Parks at least two days before making his bid, samples of materials he intends to use, as follows:

1st. Specimens of asphaltum, with a certificate stating where the asphaltum was mined.

2d. A specimen of asphaltic cement, with a statement of the elements of the composition of the bituminous cements used in the composition of the paving surface.

3d. Specimens of sand intended to be used.

4th. Specimens of pulverized carbonate of lime intended to be used.

5th. Specimens of the asphaltic rock, with a certificate or other evidence that it is of even fabric, and a product of the first quality, and from the mines herein-after designated.

6th. A statement of the location and the capacity (in square yards per day) of the works or factory where the paving material is prepared.

Specimens must be furnished to the Department of Public Parks as often as may be required during the progress of the work.

No bid will be received or considered unless the deposits of materials and statements referred to above are made with the Commissioners of the Department of Public Parks within the time prescribed, nor unless they conform to the requirements of the specifications and are satisfactory to the Commissioners of Public Parks. Any bid accompanied by a sample of asphaltum which does not come up to the standard required by these specifications will be regarded as informal.

No. 2, ABOVE MENTIONED.

7,240 square yards of Telford pavement.

10 cubic yards of dry rubble masonry in culverts.

1,000 pounds of vitrified stoneware pipe in place.

200 square yards rubble or cobble-stone pavement in gutters.

The work to be commenced within TEN DAYS after the execution of the contract, and to be fully completed in accordance with the terms of this agreement on or before the 31st day of December, 1895, 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 completion thereof has expired, are fixed and liquidated at TWENTY DOLLARS per day.

The amount of security required is FOUR THOUSAND DOLLARS.

9,300 square yards of Telford pavement.

10 cubic yards of dry rubble masonry in culverts.

3,000 pounds of vitrified stoneware pipe in place.

300 square yards rubble or cobble-stone pavement in gutters.

The work to be commenced within TEN DAYS after the execution of the contract and to be fully completed in accordance with the terms of this agreement on or before the 1st day of June, 1896, 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 completion thereof has expired, are, by a clause in the contract, fixed and liquidated at TWENTY DOLLARS per day.

The amount of security required is FIVE THOUSAND DOLLARS.

No. 4, ABOVE MENTIONED.

Bidders are required to state, in writing, and also in figures, in their proposals ONE PRICE OR SUM for which they will execute the ENTIRE WORK.

The time allowed to complete the whole work will be THREE CALENDAR MONTHS, 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 completion thereof has expired, are fixed at TWENTY DOLLARS per day.

The amount of security required is THREE THOUSAND DOLLARS.

No. 5, ABOVE MENTIONED.

Bidders will state a price or sum for completing the entire work specified to be done.

The entire work is to be completed within SIXTY DAYS after notice to commence work has been given, and the penalty for non-completion within the specified time will be TWENTY DOLLARS per day.

The amount of security required is ONE THOUSAND DOLLARS.

The estimates received will be publicly opened by the head of the said Department at the place and hour last above mentioned and read.

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 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, on 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 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 section 27 of chapter 8 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or 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 ten 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.

N. B.—The prices must be written in the estimate and also stated in figures, and all estimates will be considered as informal which do not contain bids for all items for which bids are herein called, or which contain bids for items for which bids are not herewith called for. Permission will not be given for the withdrawal of any bid or estimate. 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.

The Department of Public Parks reserves the right to reject any or all the bids received in response to this advertisement if it should deem it for the interests of the City so to do, and to readvertise until satisfactory bids or proposals shall be received. But the contract when awarded, in each case, will be awarded to the lowest bidder.

Blank forms for proposals and forms of contract which the successful bidders will be required to execute, can be had at the office of the Department, Arsenal, Sixty-fourth street and Fifth avenue, Central Park.

DAVID H. KING, JR., GEO. G. HAVEN, JAMES A. ROOSEVELT, A. D. JULLIARD, Commissioners of Public Parks.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES WITH THE title of the work and the name of the bidder indorsed thereon, will be received by the Department of Public Parks, at its offices, Arsenal Building (Sixty-fourth street and Fifth avenue), Central Park, until Wednesday, September 13, 1895, at 9.30 o'clock a. m.:
FOR FURNISHING ALL THE LABOR, AND MATERIALS NECESSARY TO ERECT AND COMPLETE THE NEW WEST WING AND ENLARGEMENT OF THE AMERICAN MUSEUM OF NATURAL HISTORY, IN THE MANHATTAN SQUARE.

The Architects' Schedule of materials to be furnished and work to be done, upon which the lump sum bids are to be based, is as follows:

SCHEDULE.

All trenching, preparation and leveling of ground, necessary excavating or blasting, refilling, grading, all concrete in foundations, floors, areas and elsewhere, stone-filling and ramming of trenches, all to be carried to solid bottom.

All drains, blind-drains, waste, leader, gas and all other pipes, and all parts connected with the gas-lighting and drainage of the building.

All common and front brickwork in the walls, piers, arches, facing, lining, acking, corbelling, flues and elsewhere.

All the fireproof floor arch-blocks, floor-arches, furring-blocks, partition-blocks, roof-blocks and other fireproof work.

All the cut and other granite and stonework, including all rock-faced, moulded, carved and tooled work, bond-stones in piers, and the setting and cleaning of above.

All the blue stone in sills, lintels, bed-plates, coping, and elsewhere.

All the damp-proofing; also all the boxing and protection of work; also cutting, patching, pointing and cleaning down of all work inside and outside; and all grouting, whitewashing and all other necessary work.

All the wrought-iron or steel girders, beams, cast-iron columns, iron doors, railings, step details, posts, tees, angles, zeels, channels, clamps, dowels, anchors, straps, ladders, gratings, iron guards and all other wrought-iron work.

All cast lintels, plates, boxes, brackets, bases, railings, fittings, shoes, balustrades, columns, mouldings, fascias, string-courses, and other constructional and ornamental cast-iron work.

All the wire lath and iron construction to ceilings, boxing of girders, walls and elsewhere.

All galvanized-iron work; all copper and all other metalwork; all gutters, skylights, glazing, snow-guards, flashings, hardware and metalwork.

All slatwork, including slate for stair-treads, roof-slate and other places.

All plastering and stucco-work; all tiling, painting, electro-plating, decorating and other work.

All plumbing, piping, fixtures, gas-fitting and other plumber's work.

All carpenter's and joiner's work, including all sash, doors, fanlights, vestibules, glass, centres and grounds, fittings and shades.

All steam and heating work, new boilers, piping, radiators, valves and other parts.

All electric wiring, switches, conduits, plugs, cut-outs, lighting fixtures and brackets, reflectors, drops, brass-work, lamps, shades, keys, hardware boxes, locks, hardware and other parts mentioned in electric specifications.

All time detectors, including wiring, stations, boxes and connections.

Removal of all surplus material and rubbish, and thoroughly scrubbing and cleaning of the entire building, ready for occupancy.

All alterations and new parts called for in present buildings; also all repairs, patching and replacing, and painting and refinishing, as called for, to all plastering, tiling, woodwork, glass, plumbing, gas-fittings and other materials in present building where damaged. All necessary new shades, gas and electric light fixtures, shades and other furnishings, as called for.

Bidders must satisfy themselves by personal examination of the site of the proposed work, and its present condition and nature, by careful examination of the existing building, and by such other means as they may prefer, as to the sufficiency of the foregoing Architects' schedule and plans, and shall not at any time after the submission of their bids, dispute or complain of such schedule and plans, or the specifications and directions explaining or interpreting them, nor assert that there is any misunderstanding in regard to the location, extent, nature or amount of work to be done. BIDDERS MUST PARTICULARLY EXAMINE INTO THE DEPTHS AT WHICH SOLID BOTTOM IS FOUND.

Bidders will be required to complete the entire work to the satisfaction of the Commissioners of the Department of Public Parks, and the Architects appointed by them, and in accordance with the drawings and directions given or which may be given by the Architects, and in conformity with the specifications hereunto annexed. No extra compensation beyond the amount payable for the several classes of work contemplated, and which shall be actually performed at the price therefor to be specified by the lowest bidder, shall be due or payable; and no allowance will be made nor anything paid for blasting or excavating, nor for carrying masonry to solid bottom, nor for any filling or ramming of trenches, nor for any bailing or pumping rendered necessary in prosecuting the work, nor for any sheet-piling, shoring or other timbering, nor for any underpinning or other precautions necessary to protect the present buildings or grounds or the work in progress, nor for any scaffolds or centres required in prosecuting the work.

Bidders will be required to provide for all pumping and bailing which may be found necessary in the proper execution of the work.

On Mondays and Tuesdays of each week the Museum Building is open only to visitors with tickets. Contractors will receive the necessary tickets by applying at the Architects' office.

In Room No. 14 at the Museum of Natural History can be found samples of the articles called for in the specification.

Bidders will be required to state in their proposals ONE PRICE OR LUMP SUM for which they will execute the ENTIRE WORK based on the use of granite from the Granite Mountain Quarry, Burnett County, Texas, and also a price or sum based on the use of granite from the quarry of the New Brunswick Red Granite Co., of Calais, Maine, or other New Brunswick or Bay of Fundy granite equal thereto, as per samples now on exhibition at the office of the Department.

The time allowed to complete the whole work will be THREE HUNDRED AND FIFTY DAYS, 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 completion thereof has expired, are fixed at FIFTY DOLLARS per day.

The amount of the security required is SEVENTY-FIVE THOUSAND DOLLARS.

The estimates received will be publicly opened by the head of the said Department at the place and hour last above mentioned and read.

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 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, on 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 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 section 27 of chapter 8 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or 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 his deposit will be returned to him.

N. B.—The price must be written in the estimate and also stated in figures, and all estimates will be considered as informal which do not contain bids for all items for which bids are herein called, or which contain bids for items for which bids are not herewith called for. Permission will not be given for the withdrawal of any bid or estimate. 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.

The Department of Public Parks reserves the right to reject any or all the bids received in response to this advertisement if it should deem it for the interest of the City so to do, and to readvertise until satisfactory bids or proposals shall be received. But the contract when awarded in each case will be awarded to the lowest bidder.

Blank forms for proposal and forms of the several contracts which the successful bidders will be required to execute can be had at the office of the Department and the plans can be seen and information relative to them can be had at the office of the Architects, Cady, Berg & See, No. 31 East Seventeenth street.

DAVID H. KING, JR., GEO. G. HAVEN, JAMES A. ROOSEVELT, A. D. JULLIARD, Commissioners of Public Parks.

AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE, ROOM 209, STEWART BUILDING, NO. 280 BROADWAY, NEW YORK, August 31, 1895.

TO CONTRACTORS.

BIDS OR PROPOSALS FOR DOING THE WORK and furnishing the materials called for in the approved forms of contract now on file in the office of the Aqueduct Commissioner, for completing a highway or road and its appurtenances, etc., crossing the East Branch of Reservoir "D," in the town of Kent, Putnam County, New York, will be received at this office until Wednesday, September 13, 1895, at 3 o'clock p. m., and they will be publicly opened by the Aqueduct Commissioners as soon thereafter as possible, and the award of the contract for doing said work and furnishing said materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and bids or proposals and proper envelopes for their inclosure, form of bonds and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners.
JAMES C. DUANE, President.
EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSIONERS' OFFICE, ROOM 209, STEWART BUILDING, NO. 280 BROADWAY, NEW YORK, August 27, 1895.

TO CONTRACTORS.

BIDS OR PROPOSALS FOR DOING THE WORK and furnishing the materials called for in the approved forms of contract now on file in the office of the Aqueduct Commissioners, for constructing New Highways and their Appurtenances, Fences, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, New York, will be received at this office until Friday, September 13, 1895, at 3 o'clock p. m., and they will be publicly opened by the Aqueduct Com-

missioners as soon thereafter as possible, and the award of the contract for doing said work and furnishing said materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and bids or proposals and proper envelopes for their inclosure, form of bonds and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners,
JAMES C. DUANE, President.
EDWARD L. ALLEN, Secretary.

STREET CLEANING DEPT.

NOTICE.

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.

QUARANTINE COMMISSION.

NOTICE TO CONTRACTORS.

THE ATTENTION OF CONTRACTORS IS called to the advertisement in the "Engineering News" of September 5 and 12, asking for bids for repairing the rip-rap on Swinburne Island, New York Harbor, under the direction of the Quarantine Commission created by chapter 270 of the Laws of 1883.

Bids will be received until noon, September 13. Plans may be seen and proposal blanks and specifications obtained at the office of the Quarantine Commission, No. 71 Broadway, Room 98, New York, and at the office of the State Engineer and Surveyor, Albany.

SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND THIRTY-NINTH STREET, between Eighth avenue and bulkhead-line Harlem river, in the Twelfth Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us, at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 21st day of October, 1895, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 21st day of October, 1895, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at its office, No. 31 Chambers street, in the said city, there to remain until the 21st day of October, 1895.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the centre line of the blocks between One Hundred and Thirty-ninth and One Hundred and Fortieth streets; on the south by the centre line of the blocks between One Hundred and Thirty-eighth and One Hundred and Thirty-ninth streets; on the east by the United States bulkhead-line, and on the west by the easterly side of Edgecombe avenue; excepting from said area all streets, avenues, roads or portions thereof heretofore legally opened or laid out as such area is shown on our benefit maps deposited as aforesaid.

Fourth—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 at the Chambers thereof, in the County Court-house, in the City of New York, on the 17th day of November, 1895, 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, September 6, 1895.
WILLIAM B. ELLISON, Chairman, WM. H. KLINKER, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND SEVENTY-FOURTH STREET (although not yet named by proper authority), from the Southern Boulevard and Boston road to the Bronx river, 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 16th day of August, 1895, 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 Commonality 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 28th day of August, 1895; 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, Room No. 1 (fourth floor), No. 2 Tryon Row, 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 October, 1895, at 3

o'clock in the afternoon 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 or claimants, or such additional proofs and allegations as may be then offered by such owner, or on behalf of The Mayor, Aldermen and Commonality of the City of New York.

Dated New York, September 9, 1895.
WILLIAM J. MORAN, PETER A. LALOR, JOHN BARRY, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND FORTY-FOURTH STREET (although not yet named by proper authority), extending from River avenue to St. Ann's avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our supplemental and amended estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us, at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 21st day of October, 1895, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 21st day of October, 1895, and for that purpose will be in attendance at our said office on each of said ten days, at 12 o'clock M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at its office, No. 31 Chambers street, in the said city, there to remain until the 3d day of October, 1895.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the centre line of the blocks between East One Hundred and Forty-fourth street and East One Hundred and Forty-fifth street, from the United States bulkhead-line to Railroad avenue, East; thence by the centre line of the blocks between East One Hundred and Forty-sixth street and East One Hundred and Forty-eighth street, and East One Hundred and Forty-fifth street and East One Hundred and Forty-sixth street, from Railroad avenue, East, to Third avenue, and thence by the centre line of the blocks between East One Hundred and Forty-fourth street and East One Hundred and Forty-fifth street, from Third avenue to St. Ann's avenue. On the south by the centre line of the blocks between East One Hundred and Forty-eighth street and East One Hundred and Forty-ninth street, from United States bulkhead-line to Rider avenue; thence by the centre line of the blocks between East One Hundred and Fortieth street and East One Hundred and Forty-first street, from Rider avenue to Third avenue, and thence by the centre line of the blocks between East One Hundred and Forty-third street and East One Hundred and Forty-fourth street, from Third avenue to St. Ann's avenue. On the east by the westerly line of St. Ann's avenue, and on the west by the United States Pier bulkhead-line; excepting from said area all streets, avenues, roads or portions thereof heretofore legally opened or laid out, as such area is shown on our benefit maps deposited as aforesaid.

Fourth—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 at the Chambers thereof, in the County Court-house, in the City of New York, on the 1st day of November, 1895, 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, September 7, 1895.
MICHAEL J. MULQUEEN, Chairman, JAMES MITCHELL, THEODORE E. SMITH, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title to certain pieces or parcels of land for a PUBLIC PARK at AVENUE ST. NICHOLAS, SEVENTH AVENUE AND ONE HUNDRED AND SEVENTENTH STREET, in the Twelfth Ward of the City of New York, as selected, located and laid out by the Board of Street Opening and Improvement under and in pursuance of chapter 320 of the Laws of 1887.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court bearing date the 20th day of June, 1895, 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 public park, the same being particularly set forth and described in the petition of The Mayor, Aldermen and Commonality 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 27th day of June, 1895; and a just and equitable estimate and assessment of the value of the benefit and advantage of said public park 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, and by the act entitled "An act to provide for the location, acquisition, construction and improvement of additional public parks in the City of New York," passed May 13, 1887.

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, Room No. 1 (fourth floor), No. 2 Tryon Row, 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 4th day of October, 1895, at 3 o'clock in the afternoon 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 and claimants, or such additional proofs and

allegations as may then be offered by such owner, or on behalf of The Mayor, Aldermen and Commonality of the City of New York.

Dated New York, September 9, 1895.
GEO. C. HOLT, EDWARD McCUE, WM. F. HULL, Commissioners.
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to ONE HUNDRED AND FORTIETH STREET, between Seventh avenue and the bulkhead-line, Harlem river, in the Twelfth Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 2 Tryon Row, Room 1 (fourth floor), in said city, on or before the 21st day of October, 1895, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 21st day of October, 1895, and for that purpose will be in attendance at our said office on each of said ten days at 10 o'clock A. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at its office, No. 31 Chambers street, in the said city, there to remain until the 21st day of October, 1895.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: On the north by the centre line of the blocks between One Hundred and Fortieth and One Hundred and Forty-first streets; on the south by the centre line of the blocks between One Hundred and Forty-ninth and One Hundred and Fortieth streets, on the east by the United States bulkhead-line and on the west by the easterly side of Edgecombe avenue, excepting from said area all streets, avenues, roads or portions thereof heretofore legally opened or laid out as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—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 at the Chambers thereof, in the County Court-house, in the City of New York, on the 17th day of November, 1895, 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, September 7, 1895.
G. M. SPIER, Chairman, JAMES F. C. BLACK-HURST, PAUL C. GRENING, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening BARRY STREET (although not yet named by proper authority), from Longwood avenue to Lafayette 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 23d day of August, 1895, 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 Commonality 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 27th day of August, 1895, 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, Room No. 1 (fourth floor), No. 2 Tryon Row, 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 October, 1895, at 3 o'clock in the afternoon 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 Commonality of the City of New York.

Dated New York, September 5, 1895.
HARWOOD R. POOL, JOHN G. H. MEYERS, LAWRENCE GODKIN, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening and extending EAST ONE HUNDRED AND EIGHTY-THIRD STREET (although not yet named by proper authority), from Webster avenue to Third 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 16th day of August, 1895, 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 Commonality 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 28th day of August, 1895; 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, Room No. 1 (fourth floor), No. 2 Tryon Row, 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 October, 1895, 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 Commonality of the City of New York.

Dated New York, September 5, 1895.
JOHN FRANKENHEIMER, JEREMIAH PANG-BURN, WALTER J. BURK, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening LORING PLACE (although not yet named by proper authority), from University avenue to Hampden 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 16th day of August, 1895, 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 Commonality 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 28th day of August, 1895, 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, Room No. 1 (fourth floor), No. 2 Tryon Row, 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 October, 1895, at 2 o'clock in the afternoon 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 Commonality of the City of New York.

Dated New York, September 7, 1895.
WILLIAM J. AMEND, JOHN A. O'CONNOR, ARTHUR C. BUTTS, Commissioners.
JOHN P. DUNN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening HOME STREET (although not yet named by proper authority), from Westchester avenue to Intervale avenue, and to the lands and premises required for the widening of HOME STREET, INTERVALE AVENUE, EAST ONE HUNDRED AND SIXTY-NINTH STREET and TIFFANY STREET, 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 23d day of August, 1895, 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 Commonality 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 27th day of August, 1895; 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, Room No. 1, fourth floor, No. 2 Tryon Row, 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 1st day of October, 1895, at 3 o'clock in the afternoon 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, September 5, 1895.
J. A. BEALL, WINTHROP PARKER, CHARLES SCHWICK, 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 and extension of WEBSTER AVENUE (although not yet named by proper authority), from Moshulu Parkway to Bronx river 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 26th day of August, 1895, 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 28th day of August, 1895; 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, Room No. 1, fourth floor, No. 2 Tryon Row, 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 13th day of September, 1895, at 12 o'clock noon 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, September 3, 1895.
JOHN DE WITT WARNER, ROBERT KELLY PRENTICE, WILLIAM H. MCCARTHY, Commissioners.
HENRY DE FOREST BALDWIN, Clerk.

In the matter of the application of The Mayor, Aldermen and Commonalty of the City of New York, by the Counsel to the Corporation, relative to acquiring title, wherever the same has not been heretofore acquired, to all the lands, tenements, hereditaments, property, rights, terms, easements and privileges not owned by The Mayor, Aldermen and Commonalty of the City of New York, or any right, title and interest therein, not extinguishable by public authority, embraced within the lines of the GRAND BOULEVARD and CONCOURSE and nine transverse roads, from a point on East One Hundred and Sixty-first street, in said city, at the intersection of said street and Mott avenue northerly to Moshulu Parkway, as laid out and established by the Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards of the City of New York pursuant to the provisions of chapter 130 of the Laws of 1895.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 15th day of August, 1895, 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 Grand Boulevard and Concourse and nine transverse roads, 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 23d day of August, 1895; and a just and equitable estimate and assessment of the value of the benefit and advantage of said Grand Boulevard and Concourse and nine transverse roads 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, Room No. 1, fourth floor, No. 2 Tryon Row, 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 24th day of September, 1895, 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.

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, August 27, 1895.
JAMES A. BLANCHARD, JOHN H. KNOEPEL, JOHN C. DE LA VERGNE, Commissioners.
WILLIAM R. KEENE, 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 and widening WOODRUFF or EAST ONE HUNDRED AND SEVENTY-SIXTH STREET (although not yet named by proper authority), from Boston road to Longfellow 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 14th day of August, 1895, 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 August, 1895; 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, Room No. 1, fourth floor, No. 2 Tryon Row, 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 18th day of September, 1895, at 3 o'clock in the afternoon 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, August 23, 1895.
GUSTAVE S. DRACHMAN, DAVID L. KIRBY, ARTHUR A. ALEXANDER, 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 JENNINGS STREET (although not yet named by proper authority), from Stebbins avenue to West Farms road, 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 14th day of August, 1895, 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 August, 1895; 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, Room No. 1, fourth floor, No. 2 Tryon Row, 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 30th day of September, 1895, 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, September 3, 1895.
ALFRED R. PAGE, JOSEPH E. BARNES, JOSEPH RILEY, Commissioners.
JOHN P. DUNN, Clerk.

NEW CROTON DAM, CORNELL SITE.

NOTICE OF APPLICATION FOR APPRAISAL.
PUBLIC NOTICE IS HEREBY GIVEN THAT IT is the intention of the Counsel to the Corporation of the City of New York to make application to the Supreme Court for the appointment of Commissioners of Appraisal, under chapter 490 of the Laws of 1883.

Such application will be made at a Special Term of said Court, to be held in the Second Judicial District, at the Court-house in White Plains, Westchester County, on the 28th day of September, 1895, at 10 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

forenoon of that day, or as soon thereafter as counsel can be heard. The object of such application is to obtain an order of the Court appointing three disinterested and competent freeholders, one of whom shall reside in the County of New York and the other two of whom shall reside in the County in which the real estate hereinafter described is situated, as Commissioners of Appraisal, to ascertain and appraise the compensation to be made to the owners of and all persons interested in the real estate hereinafter described, as proposed to be taken or affected for the purpose of maintaining, preserving and increasing the water supply of the City of New York.

The real estate sought to be taken or affected is situated in the Town of Cortlandt, County of Westchester and State of New York, and is laid out, indicated and shown on a certain map, signed and certified as required by said act, entitled "Map No. 5, Department of Public Works, City of New York, Property Map of Additional Lands required for the Construction of the New Croton Reservoir, in the Town of Cortlandt, Westchester County, New York," which said map was filed in Westchester County Register's Office August 13, 1895.

All that certain tract of real estate situate in the Town of Cortlandt, County of Westchester and State of New York, described as follows:

Beginning at a point in the northerly line of the highway or road leading from Croton Valley to Croton Landing, which point is where the centre line of the highway or road herein intended to be described crosses the northerly line of said Croton Landing road; thence describing the centre line of said highway, which is a strip of land 66 feet wide, 33 feet on either side of said centre line to Station 16+73.4 (said strip of land to be used as a public road or highway), as follows: north 41 degrees 44 minutes east 16 feet; thence curving to the left on said centre line with a radius of 508.7 feet and an angle of 6 degrees 45 minutes a distance of 59.93 feet on said curve; thence north 34 degrees 59 minutes east 98.2 feet; thence curving to the right with a radius of 405.3 feet and an angle of 8 degrees 28 minutes a distance of 60.33 feet on said curve; thence north 43 degrees 27 minutes east 156.7 feet; thence curving to the left with a radius of 368.2 feet and an angle of 9 degrees 19 minutes a distance of 59.87 feet on said curve; thence north 31 degrees 8 minutes east 261.8 feet; thence curving to the right with a radius of 281.5 feet and an angle of 12 degrees 10 minutes a distance of 59.78 feet; thence north 46 degrees 18 minutes east 838.5 feet to a point at Station 16+73.4; along the foregoing described centre line the width of the highway is uniformly 66 feet, 33 feet on either side of said centre line; thence curving to the right with a radius of 99.68 feet and an angle of 33 degrees 30 minutes a distance of 58.28 feet on said curve; thence north 79 degrees 48 minutes east 122 feet; thence curving to the left with a radius of 129.6 feet and an angle of 26 degrees 4 minutes 58.96 feet on said curve. The width of the highway taken along the last-mentioned three courses shall be 33 feet uniformly on the left or northerly side of said centre line and 11 feet on the right or southerly side of said centre line, extending from station 16+73.4 to station 19+12.7. On the following courses of said centre line the width of right-of-way shall be 33 feet uniformly on either side of said centre line; north 53 degrees 44 minutes east 320.2 feet; thence curving to the left with a radius of 231.4 feet and an angle of 12 degrees 20 minutes a distance of 49.81 feet on said curve; thence north 41 degrees 24 minutes east 37.3 feet; thence curving to the left with a radius of 361 feet and an angle of 9 degrees 30 minutes a distance of 59.86 feet on said curve; thence north 31 degrees 54 minutes east 92.3 feet; thence curving to the right with a radius of 114.8 feet and an angle of 29 degrees 18 minutes a distance of 58.71 feet; thence north 61 degrees 12 minutes east 14.2 feet; thence curving to the left with a radius of 171.9 feet and an angle of 19 degrees 48 minutes a distance of 59.41 feet; thence north 41 degrees 24 minutes east 38 feet; thence curving to the left with a radius of 73.2 feet and an angle of 37 degrees 43 minutes a distance of 48.18 feet on said curve; thence north 3 degrees 41 minutes east 70.4 feet; thence curving to the right with a radius of 78 feet and an angle of 42 degrees 33 minutes a distance of 57.24 feet on said curve; thence north 45 degrees 44 minutes east 160.1 feet; thence curving to the right with a radius of 283.4 feet and an angle of 12 degrees 05 minutes a distance of 59.77 feet; thence north 57 degrees 49 minutes east 235.8 feet; thence curving to the left with a radius of 219.7 feet and an angle of 15 degrees 33 minutes a distance of 59.62 feet on said curve; thence north 42 degrees 16 minutes east 9.2 feet; thence curving to the right with a radius of 90.7 feet and an angle of 57 degrees 43 minutes a distance of 91.37 feet; thence south 80 degrees 01 minute east 26.9 feet; thence curving to the left with a radius of 149.4 feet and an angle of 37 degrees 01 minute a distance of 96.52 feet; thence north 62 degrees 58 minutes east 190.6 feet; thence curving to the left with a radius of 82.1 feet and an angle of 4 degrees 11 minutes 20 seconds a distance of 60 feet on said curve; thence north 58 degrees 46 minutes 40 seconds east 155.9 feet; thence curving to the left with a radius of 133.1 feet and an angle of 25 degrees 24 minutes 10 seconds a distance of 59.01 feet on said curve; thence north 33 degrees 22 minutes 30 seconds east 180.8 feet; thence curving to the right with a radius of 134.4 feet and an angle of 25 degrees 10 minutes a distance of 59.04 feet on said curve; thence north 58 degrees 32 minutes 30 seconds east 77 feet; thence curving to the left with a radius of 435.4 feet and an angle of 7 degrees 52 minutes 40 seconds a distance of 59.86 feet on said curve; thence north 50 degrees 39 minutes 50 seconds east a distance of 153.5 feet; thence curving to the right with a radius of 186.8 feet and an angle of 18 degrees 15 minutes 10 seconds a distance of 59.51 feet; thence north 68 degrees 55 minutes east 29 feet; thence curving to the left with a radius of 270.7 feet and an angle of 12 degrees 43 minutes 10 seconds a distance of 60.09 feet; thence reversing and curving to the right with a radius of 190.1 feet and an angle of 17 degrees 53 minutes 20 seconds a distance of 59.46 feet; thence north 74 degrees 7 minutes 10 seconds east 37.2 feet; thence curving to the left with a radius of 182.7 feet and an angle of 18 degrees 38 minutes 50 seconds 59.46 feet; thence north 55 degrees 23 minutes 20 seconds east 112 feet; thence curving to the left with a radius of 391.4 feet and an angle of 8 degrees 46 minutes 20 seconds a distance of 59.92 feet on said curve; thence north 46 degrees 42 minutes east 92.7 feet; thence curving to the left with a radius of 525.6 feet and an angle of 6 degrees 32 minutes 10 seconds a distance of 59.15 feet on said curve; thence north 40 degrees 9 minutes 50 seconds east 72.2 feet; thence curving to the left with a radius of 294.9 feet and an angle of 11 degrees 37 minutes a distance of 59.79 feet; thence north 28 degrees 32 minutes 50 seconds east 114.6 feet; thence curving to the left with a radius of 219.7 feet and an angle of 15 degrees 32 minutes 40 seconds a distance of 59.62 feet; thence north 13 degrees 0 minutes 10 seconds east 346.2 feet; thence curving to the right with a radius of 54.5 feet and an angle of 85 degrees 1 minute 50 seconds a distance of 80.89 feet; thence south 81 degrees 58 minutes east 107.5 feet; thence curving to the left with a radius of 63.9 feet and an angle of 76 degrees 5 minutes 40 seconds a distance of 84.51 feet to station 61+18.5. The right-of-way aforesaid on the last described courses shall be 66 feet, 33 feet on either side of said centre line measured at right angles thereto; thence on the following courses and distances the width of right-of-way for said highway shall be 33 feet on the left or northerly side of said centre line and shall be of the extent of land lying to the southeast of said centre line and the boundary of the property taken by the City of New York, known as Parcels No. 6½, No. 6 and No. 6½, limited on the southwest by a line which is at right angles to said centre line at station 61+18.5. Said portion of said centre line last above mentioned is described as follows: north 21 degrees 56 minutes 20 seconds east 229.3 feet; thence curving to the left with a radius of 43 feet and an angle of 116 degrees 59 minutes 30 seconds a distance of 87.50 feet; thence curving to the right with a radius of 68.1 feet and an angle of 112 degrees 24 minutes 10 seconds a distance of 134.26 feet on said curve; thence north 17 degrees 21 minutes east 102.9 feet; thence curving to the right with a radius of 130.3

feet and an angle of 25 degrees 46 minutes a distance of 59 feet across the boundary of Parcel No. 6 of the former taking by the City of New York; thence north 43 degrees 30 minutes east 196 feet across said Parcel No. 6 and Parcel No. 6½ into the present new highway or road; containing a total of 10.73 acres of land.

Also all that certain other tract or parcel of real estate in said town, described as follows:

Beginning at a point in the northeasterly line of the highway or road leading from Croton Valley to Colabaugh Pond, which point is where the centre line of the road herein intended to be described crosses the northeasterly line of said Colabaugh Pond road; thence describing the centre line of a strip of land 66 feet in width, 33 feet on either side of said centre line measured at right angles therefrom: south 51 degrees 39 minutes east 99 feet; thence curving to the left with a radius of 120.17 feet and an angle of 28 degrees 02 minutes 58.79 feet on said curve; thence south 79 degrees 41 minutes east 755.2 feet; thence curving to the left with a radius of 137.69 feet and an angle of 24 degrees 35 minutes 59.07 feet on said curve; thence north 75 degrees 44 minutes east 455.5 feet; thence curving to the left with a radius of 222.62 feet and an angle of 25 degrees 19 minutes 58.38 feet on said curve; thence north 50 degrees 25 minutes east 551.3 feet; thence curving to the right with a radius of 133 feet and an angle of 41 degrees 04 minutes a distance of 59.66 feet on said curve; thence south 88 degrees 31 minutes east 248.1 feet; thence curving to the left with a radius of 281.65 feet and an angle of 20 degrees 08 minutes 58.95 feet on said curve; thence south 71 degrees 21 minutes east 421.6 feet; thence curving to the left with a radius of 431.73 feet and an angle of 7 degrees 57 minutes a distance of 59.9 feet on said curve; thence north 63 degrees 24 minutes east 664.3 feet; thence curving to the right with a radius of 165.67 feet and an angle of 84 degrees 20 minutes a distance of 243.81 feet on said curve; thence south 32 degrees 16 minutes east 338.6 feet; thence curving to the left with a radius of 140.61 feet and an angle of 67 degrees 31 minutes 176.31 feet on said curve; thence compounding on a curve to the left with a radius of 33 feet and an angle of 90 degrees a distance of 51.83 feet; thence north 9 degrees 47 minutes west 137 feet; thence curving to the right with a radius of 82.09 feet and an angle of 40 degrees 09 minutes a distance of 57.05 feet on said curve; thence north 30 degrees 24 minutes east 92.1 feet; thence curving to the left with a radius of 395.65 feet and an angle of 8 degrees 41 minutes a distance of 59.95 feet on said curve; thence north 21 degrees 41 minutes east 332 feet to the westerly side of the highway or road leading from Croton Valley to Peekskill.

The proposed highway or road, to be known as Line No. 4, which is of a uniform width of 66 feet, 33 feet on either side of the centre line above described, and extends across the land of Sophia Webb, between the said Colabaugh Pond road and the Peekskill road, and designated as Parcel No. 5½; containing 7.84 acres, more or less.

All the real estate shown on said map and hereinbefore described is to be acquired in fee and reference is made to said map for a more detailed description of the premises.

Dated NEW YORK, August 15, 1895.
FRANCIS M. SCOTT, Counsel to the Corporation,
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf 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 CROMWELL AVENUE (although not yet named by proper authority), from Jerome avenue to Inwood avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our supplemental and amended estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections, in writing, duly verified, to us, at our office, No. 2 Tryon Row, Room 1, fourth floor, in said city, on or before the 12th day of September, 1895, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 12th day of September, 1895, and for that purpose will be in attendance at our said office on each of said ten days at 12 o'clock M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited in the Bureau of Street Openings, in the Law Department of the City of New York, at his office, No. 2 Tryon Row, in the said city, there to remain until the 13th day of September, 1895.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Beginning at a point on the easterly side of River avenue, midway between Overlook avenue and Endrow place; running thence northerly and along the easterly side of River avenue to its junction with Jerome avenue; thence still northerly and along the easterly side of Jerome avenue to the Twenty-third and Twenty-fourth Ward line; thence westerly and along the said ward-line to the middle of the block between Inwood avenue and Macomb's Dam road; thence northerly and along the middle of the block between Inwood avenue and Macomb's Dam road to the southerly side of Macomb's Dam road; thence westerly and along the southerly side of Macomb's Dam road to its junction with Cromwell avenue; thence still westerly across Cromwell avenue, and at right angles to the same, to a point distant 125 feet westerly from the westerly side of Cromwell avenue; thence southerly and through the middle of the block between Second avenue and Cromwell avenue to the southerly side of Elliot street; thence westerly and along the southerly side of Elliot street and the southerly side of High Bridge street to a point midway between Marcher avenue and Boscobel avenue; thence southerly and through the middle of the block between Marcher avenue and Boscobel avenue, a distance of about 693.4 feet; thence westerly and about at right angles to Boscobel avenue to the westerly side of Marcher avenue; thence southerly and along the westerly side of Marcher avenue to a point which would meet a line drawn parallel to and midway between Overlook avenue and Endrow place; thence easterly and along said last-mentioned line to the easterly side of River avenue, at the point or place of beginning; excepting from said area all streets, avenues, roads, or portions thereof, heretofore legally opened or laid out, as the same is shown upon our benefit map deposited as aforesaid.

Fourth—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 at the Chambers thereof, in the County Court-house, in the City of New York, on the 27th day of September, 1895, 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, August 20, 1895.
RIGUAL D. WOODWARD, Chairman, JESSE S. NELSON, Commissioners.
JOHN P. DUNN, Clerk.

THE CITY RECORD.

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JOHN A. SLEICHER,
Supervisor.