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DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending June 30, 1892.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,
NO. 31 CHAMBERS STREET,
NEW YORK, July 27, 1892.

Hon. HUGH J. GRANT, Mayor.

DEAR SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to present the following report of the transactions of the Department of Public Works for the quarter ended June 30, 1892.

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation (Consolidation Act of 1882, section 189)	\$766,521	26
On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150)	261,786	12
On account of Funded Debt, for improvement and extension of water supply (Consolidation Act, section 141)	48,923	76
On account of Repavement Fund (chapter 346, Laws of 1889)	47,565	11
On account of Repavement Fund (chapter 35, Laws of 1892)	5,011	21
On account of Criminal Court-house Fund (chapter 371, Laws of 1887, section 8) ..	127,725	00
On account of Public Building, Twelfth Ward (chapter 487, Laws of 1890)	22,429	50
On account of Fund for One Hundred and Fifty-fifth Street Viaduct (Consolidation Act, section 144 and chapter 576, Laws of 1887)	82,379	35
On account of Special Fund, for restoring pavements over street openings (Revised Ordinances of 1880, sections 354 to 357)	13,863	31
On account of Revenue Bonds, for furnishing and setting water-meters (Consolidation Act, sections 161 and 352)	5,460	66
Total	\$1,381,665	28

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

27 sewer contracts, estimated cost	\$134,443	10
42 regulating, grading, curbing and flagging contracts, estimated cost	305,658	77
5 paving contracts, payable by local assessments, estimated cost	25,101	69
23 repaving contracts, estimated cost	1,106,697	39
1 contract for laying water-mains, estimated cost	12,221	00
14 miscellaneous contracts, estimated cost	56,211	19
112 contracts, total estimated cost	\$1,640,333	14

Contracts Completed during the Quarter.

17 sewer contracts, cost	\$53,026	33
22 regulating, grading, curbing and flagging contracts, cost	49,750	45
12 paving contracts, payable by local assessments, cost	54,354	35
2 repaving contracts, cost	26,660	23
1 contract for laying water-mains, cost	4,917	23
11 miscellaneous contracts, cost	7,066	96
65 contracts, total cost	\$195,775	55

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

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

LOCATIONS.	APRIL. INCHES.	MAY. INCHES.	JUNE. INCHES.	TOTAL INCHES.
Boyd's Corners Reservoir	1.08	5.74	3.84	10.66
Middle Branch Reservoir	1.04	5.84	3.19	10.07
Kensico Reservoir	1.34	5.27	3.50	10.51
Croton Dam	1.28	4.99	4.28	10.55
Central Park Reservoir	2.17	4.82	2.95	9.95

There were 22 days when the natural flow of the Croton river had to be supplemented by draughts upon the water stored in Croton lake, amounting in the aggregate to 100,000,000 gallons, to furnish the daily supply required for the city's population. All the storage reservoirs, lakes and ponds in the Croton water-shed which are tributary to the city's water supply are now filled to high-water mark, except Lakes Gleneida and Gilead. Steady progress has been made on the construction of Reservoir A, under the direction of this Department, and the Commissioners appointed to appraise the lands which will be flooded by this reservoir have concluded the taking of testimony, and are now preparing their report to the Supreme Court. The Counsel to the Corporation has

been furnished with detailed maps of lands required for the Cornell Dam, and for Reservoirs D and M. Surveys are in progress for additional lands required for Reservoir D and around Lake Gleneida.

The work on the Old and New Aqueducts has been confined to the ordinary care, maintenance and repairs, except the building of 8,678 lineal feet of new fencing along the Aqueduct property, and the excavation of 8,580 cubic yards of rock for the enlargement of the capacity of the old Central Park Reservoir.

The daily supply of water now received and distributed in the city is:

	Gallons.
Through the New Aqueduct	123,000,000
Through the Old Aqueduct	41,000,000
Through the Bronx River Conduit	8,000,000
Total	172,000,000

This is an increase of 9,000,000 gallons per day over the quantity received and consumed at the beginning of the quarter, which is principally attributable to the increased consumption since the advent of warm weather.

The most serious and difficult problem now presenting itself in the management and distribution of the city's water supply is how to supply the high grounds which are above the reach of the ordinary water service, and can only be supplied by artificial pressure through the high service pumping engines. The rapid growth of population and buildings on these high grounds, which is proportionately much greater than in other sections of the city, may be said to have already outgrown the capacity of the present pumping machinery, inasmuch as it is now impossible to deliver the water on the highest ground above the basements or ground floors. By chapter 38 of the Laws of 1892, the Legislature authorized an expenditure of \$500,000 for additional high service pumping works and appurtenances, and under date of March 21st ultimo, I presented to the Board of Estimate and Apportionment the outlines of the plan for additional high service works to be constructed under this appropriation, and asked the Board to authorize an expenditure of \$200,000 for so much of the work as could be done this year. The new works are to be located on city property adjacent to the New Aqueduct, between Tenth avenue and the Harlem river, and the plans provided for pumping machinery of an aggregate capacity of 28,000,000 gallons per day, which is double the capacity of the present pumping machinery. On June 7th ultimo I transmitted to the Board of Estimate and Apportionment for its approval the plans, form of contract and specifications, and estimate of cost for building this new high service pumping station, with all the necessary machinery, appurtenances and connections with the present distributing system, but, so far as I am aware, the Board has as yet taken no action upon it. The construction and completion of these works will occupy at least two years, and until they become available the supply to the higher grounds can only be maintained by curtailing the area of supply to those grounds which cannot by any possibility be reached by the ordinary service.

In extending and improving the water service 4,100 lineal feet of 48-inch pipes, 6,486 lineal feet of 12-inch pipes and 18,344 lineal feet of 6-inch pipes have been laid during the quarter, in connection with which 57 additional stop-cocks and 122 additional fire-hydrants have been placed. The water-meter service has been extended by the placing of 873 additional meters, making a total of 25,743 meters now in use.

In respect to the progress on the work of building the One Hundred and Fifty-fifth Street Viaduct, the Chief Engineer of the Croton Aqueduct reports that three-fourths of the superstructure is now in place.

BUREAU OF WATER PURVEYOR.

The conditions of the weather have been most favorable for the early and auspicious opening of the paving season this year, and gave promise of the accomplishment of an unusual amount of work in paving new streets and replacing old and worn out pavements by new and suitable ones under the repavement appropriations. Unfortunately, however, this work has been seriously interrupted and delayed by a conflict between the New England granite quarry owners and their workmen, which resulted in a labor strike involving the mechanics engaged in the laying of new pavements, as well as the quarry men and granite cutters.

In recognition of the necessity of continuing the repavement of our streets, the Legislature, by chapter 35, Laws of 1892, authorized an additional expenditure of \$3,000,000 for repavements, limiting it to \$1,500,000 per annum, and, under date of March 2 ultimo, I presented to the Board of Estimate and Apportionment a report in which I recommended repavements to the limit of the \$1,500,000 authorized to be expended this year, dividing the amount about equally between the repavements with granite blocks on commercial and business thoroughfares, and repavements with asphalt on residential streets and several streets in the lower and easterly section of the city, where I considered it desirable to have a smooth and noiseless pavement connecting that section with other asphalt pavements already laid in the central and upper portions of the city, and, through them, with the Central Park and up-town drives. The Board, however, rejected from the list presented by me nearly all the up-town residential streets, substituting a few streets in tenement-house districts for asphalt repavements, and limiting the expenditure under the legislative appropriation for this year to \$1,000,000.

Contracts for new pavements have this year been awarded and signed as follows:

	GRANITE BLOCK, SQUARE YARDS.	ASPHALT, SQUARE YARDS.
Repavements under the regular annual appropriation	34,860	43,685
Repavements under legislative appropriation	97,170	116,720
Repavements within land grants, payable by local assessments	1,527	.....
First pavements on new streets, payable by local assessments	8,259	.....
Totals	141,816	160,405

The area of new pavements laid under old and new contracts during the quarter is: granite blocks, 27,858 square yards; asphalt, 14,716 square yards; total, 42,574 square yards.

The pavement repair force was fully organized for the season about the close of April, since which an average force of 217 mechanics, 231 laborers, 73 carts and four teams has been employed on the work. The aggregate area of pavement taken up and relaid by this force during the three months is 83,724 square yards. In addition to this the old pavement on Fifth avenue, between Thirty-second and Thirty-third streets, has been taken up and replaced with granite blocks furnished by the Department, covering an area of 927 square yards.

Early in April the Third Avenue Railroad Company resumed the work of its cable railway construction on the most difficult section of the road, the Bowery, from Sixth street to Chatham square. The difficulties encountered consist in the network of the numerous water-mains, gas-mains and the sewers which have to be lowered or altered nearly the whole length of the section to

make room for the cable construction. While considerable energy has been shown in the prosecution of the work this season, it should, under proper management, have been begun much earlier, and should, in fact, have been accomplished last year. Since its resumption this year it has also repeatedly been delayed awaiting the delivery of the necessary iron work. It is hoped and expected that the work will be completed at least as far south as Chatham square in time to enable this Department to proceed with the work of laying the new pavement on the Bowery which has been delayed for two years awaiting the completion of the cable construction.

The operations of other corporations and individuals in using the public streets for substructures and connections are summarized as follows:

- 4,471 excavations made for repairs to gas-mains and connections with gas, steam and electric service.
- 10.40 miles of gas-mains laid.
- 11.76 miles of trench opened for electric subways and conduits.
- 670 notices sent to corporations to repair defective pavements over their excavations.
- 547 defective places repaired in compliance with such notices.
- On the repairs of water-mains, stop-cocks and fire-hydrants, an average force of 37 mechanics, 95 laborers and 16 carts have been employed, and the following is a summary of the work done:
- 684 defects in water-mains and stop-cocks repaired.
- 222 old fire-hydrants replaced by new ones.
- 669 fire-hydrants repaired.

OFFICE OF ENGINEER IN CHARGE OF SEWERS.

During the quarter 12 contracts for building new sewers and six contracts for constructing receiving-basins were completed, and at the close of the quarter work was in progress on 26 sewer contracts and 5 basin contracts. Under the several contracts 4,271 lineal feet of new sewers and 9 new receiving-basins were built. The sewerage system on Manhattan Island now includes 445.90 miles of sewers, with 5,325 receiving-basins.

The work done during the quarter by the repair force and by contract in repairing and cleaning sewers is summarized as follows:

- 23,434 lineal feet of sewers cleaned.
- 1,925 receiving-basins and culverts cleaned.
- 189,452 lineal feet of sewers examined.
- 50 lineal feet brick sewer rebuilt.
- 89 lineal feet brick sewer and culvert repaired.
- 82 lineal feet new pipe sewer and culvert laid.
- 122 manhole heads and basin heads reset.
- 52 receiving-basins repaired.
- 42 new manhole heads and basin heads placed.
- 141 new manhole covers and basin covers placed.
- 5,408 cart-loads sewer deposit removed.

BUREAU OF STREET IMPROVEMENTS.

In the work of regulating and grading streets, setting curbstones, flagging sidewalks and fencing vacant lots, which is under the charge of this Bureau, 6 regulating and grading contracts, 19 curbing and flagging contracts, and 8 fencing contracts were completed during the quarter, and at the close of the quarter work was in progress on 21 contracts.

The following are the aggregate quantities of work done under the several contracts:

- 5,532 cubic yards earth excavated.
- 24,957 cubic yards rock excavated.
- 38,978 cubic yards filling placed in embankments.
- 8,327 lineal feet new curb-stone set.
- 5,046 lineal feet curb-stones reset.
- 125,891 square feet new flagging laid.
- 26,460 square feet flagging relaid.
- 155 lineal feet culvert built.
- 1,296 lineal feet picket fence built.

BUREAU OF STREETS AND ROADS.

The work done under the direction of this Bureau in the maintenance and repairs of macadam roadways, and the repairs of unpaved streets is summarized as follows:

- 15,217 square yards macadam and gravel roadway resurfaced.
- 124,922 square yards roadway covered with gravel screening.
- 11,885 square yards of park spaces on the Boulevard graded, manured and seeded.
- 25 miles gutters cleaned.
- 16½ miles roadways cleaned.
- 1,924 truck-loads of gravel furnished and used.
- 1,282 truck-loads broken stone and screenings furnished and used.
- 453 truck-loads of mould and 1,336 pounds of bone dust used for fertilizing park spaces.
- 48 bushels of grass seed sown on park spaces.
- 4,567 truck-loads of sweepings and surplus material removed.
- 8,600 lineal feet unpaved streets repaired.
- 1,428 truck-loads surplus material removed from unpaved streets.

BUREAU OF LAMPS AND GAS.

The following are the additions and changes made during the quarter in lighting the public streets, parks and places:

- 301 new gas-lamps placed and lighted.
- 100 new electric-lamps placed and lighted.
- 18 new naphtha-lamps placed and lighted.
- 50 old gas lamps relighted.
- 1 old electric-lamp relighted.
- 379 gas-lamps displaced by electric-lamps.
- 108 gas-lamps temporarily discontinued on account of street improvements.

At the close of the quarter there were 26,670 gas-lamps, 1,371 electric-lamps, and 152 naphtha-lamps in use on the streets, roads, parks, docks and bridges of the city.

BUREAU OF REPAIRS AND SUPPLIES.

In the report of the Superintendent of Repairs and Supplies, hereto annexed, will be found a detailed statement of the repairs, alterations and improvements made in the municipal buildings, offices, armories and public markets under the care of this Department, from which I mention the following principal items:

- Repairing and painting the roof of the Hall of Records.
- Placing ventilating fans in several of the offices of the Department of Public Works, No. 31 Chambers street.
- Repairing and painting the roof of the Fifth District Civil Court Building.
- Making extensive repairs to the roof of the Eighth Regiment Armory.
- Fitting up the temporary armory of the Seventy-first Regiment.
- Closing the openings in the interior brick walls of two of the West Washington Market buildings, and extending the walls to and above the roof for better protection from fire.
- Repairing the shed roofs, gutters and leaders of the Jefferson Market building.
- Fitting-up the new offices of the Department of Buildings at the corner of Fourth avenue and Eighteenth street.

The work on the New Criminal Court building has again been interrupted and almost totally suspended by a labor strike which began May 23 and still continues. Though the strike is nominally directed only against the contractors for the iron work, it involves a suspension of all the other work on the building. When this last strike began, the building was within four or five days' work of being in condition to receive the greater portion of its roof, with fair prospects of completion of the entire work within a few months. The efforts made by this Department for arbitration between the labor organization which ordered the strike and the contractors for the iron work, have been unsuccessful mainly in consequence of the refusal of the Iron League, a combination of iron manufacturers to consider the demands of the labor organization.

Satisfactory progress has been made on the construction of the New Harlem Court building at One Hundred and Twenty-first street and Sylvan place, and it is very nearly completed. All the work remaining to be done consists of plastering, painting and interior fittings.

The fifteen free floating baths were thoroughly repaired and equipped for the present bathing season, and were placed in their respective berths and opened to the public during the month of June, the last two being placed in their berths on the 21st of June. They have been patronized to their full capacity. The attendance at all the baths to June 30 aggregates 603,245 males and 294,731 females.

BUREAU OF INCUMBRANCES.

The operations of this Bureau for the quarter are summarized as follows:

- 4,308 complaints of obstructions received and attended to.
- 723 seizures and removals of obstructions made.
- 425 cart-loads of dirt, stone and refuse material removed from streets.
- 170 dead and dangerous shade trees, stumps, etc., removed.
- 148 telegraph poles and about 396 miles of electric wires removed.
- 2,365 permits issued to place building material on streets.
- 3 permits issued to cut down shade trees.
- 404 miscellaneous permits issued.
- 5 notices issued to repair defective vault covers.

BUREAU OF WATER REGISTER.

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

For water rents	\$762,892 82
For penalties on water rents	1,433 85
For permits to tap water-pipes	4,458 50
Total	\$768,785 17

MISCELLANEOUS REVENUE.

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

For sewer permits	\$8,575 30
For vault permits	39,278 85
For redemption of street obstructions	447 75
For articles sold at auction	1,402 21
For work and material furnished citizens	268 14
For use of road rollers	39 50
For restoration of pavements over street openings	17,877 25
For furnishing and setting water-meters	2,568 48
Total	\$70,457 48

The following documents, appended to this report, contain further detailed information of the transactions of the Department:

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

Very respectfully,

THOS. F. GILROY, Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations Including Transfers, 1891; Requisitions on 1891 to April 1, 1892; Requisitions on 1891 in Second Quarter, 1892; Balances of 1891 on July 1, 1892; Appropriations with Transfers, 1892; Requisitions, First Quarter, 1892; Requisitions, Second Quarter, 1892; Balances, July 1, 1892; Titles and Expenditures on Trust and Special Accounts, and Receipts for the First Six Months, 1892.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1891.	REQUISITIONS FROM JANUARY 1, 1891, TO APRIL 1, 1892.	REQUISITIONS ON LIABILITIES OF 1891, DURING SECOND QUARTER, 1892.	BALANCES OF 1891 ON JULY 1, 1892.	APPROPRIATIONS WITH TRANSFERS FOR 1892.	REQUISITIONS, FIRST QUARTER, 1892.	REQUISITIONS, SECOND QUARTER, 1892.	BALANCES, JULY 1, 1892.
Aqueduct—Repairs, Maintenance and Strengthening—								
Care, Maintenance and Repairs					\$215,000 00	\$39,217 90	\$42,665 80	\$133,116 30
Care, Maintenance and Repairs, including repairs to Old Aqueduct	\$200,000 00	\$197,402 94	\$1,577 00	\$960 06				
Concreting and Facing with Masonry the Old Central Park Reservoir	70,000 00			70,000 00				
Parapet Wall and Railing around the Old Central Park Reservoir					4,000 00			4,000 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries	27,850 00	26,742 45		1,107 55	27,850 00	6,761 49	6,981 49	14,107 02
Boring Examinations for Grading and Sewer Contracts	3,600 00	3,596 50		3 50	5,000 00	745 00	2,891 00	1,364 00

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1891.	REQUISITIONS FROM JANUARY 1, 1891, TO APRIL 1, 1892.	REQUISITIONS ON LIABILITIES OF 1891, DURING SECOND QUARTER, 1892.	BALANCES OF 1891, ON JULY 1, 1892.	APPROPRIATIONS WITH TRANSFERS FOR 1892.	REQUISITIONS, FIRST QUARTER, 1892.	REQUISITIONS, SECOND QUARTER, 1892.	BALANCES, JULY 1, 1892.
Boulevards, Roads and Avenues, Maintenance of.....					\$90,000 00	\$12,013 19	\$28,350 24	\$49,636 57
General Account, including Ramp for Approach to McComb's Dam Bridge.	\$100,500 00	\$100,432 16		\$67 84				
For Resurfacing Seventh Avenue	40,000 00	39,039 93		360 07				
For Resurfacing Sixth or Lenox avenue.....					40,000 00			40,000 00
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	2,500 00	2,499 96		04	2,500 00	624 99	624 99	1,250 02
Bronx River Works—Maintenance and Repairs.....	25,000 00	24,957 72		42 28	25,000 00	5,179 34	5,019 00	14,801 66
Bronx River Works—Maintenance and Repairs—Salaries	2,400 00	2,400 00			2,400 00	441 38	300 00	1,658 61
Contingencies—Department of Public Works.....	4,000 00	3,009 09	\$3 00	87 91	4,000 00	695 53	825 66	2,478 81
Flagging Sidewalks and Fencing Vacant Lots, etc.....	5,000 00	4,587 89	890 00	221 42	5,000 00	7 00		1,540 50
For New Fire Hydrants	50,000 00	23,472 52		26,527 48	18,000 00	1,828 62	6,807 79	9,363 59
Free Floating Baths—Care and Maintenance.....	18,000 00	17,943 00		57 00	30,000 00	2,174 00	5,050 00	22,770 00
Free Floating Baths—Care and Maintenance—Salaries.....	30,000 00	29,992 50		7 50	804,900 00	127,405 26	201,126 76	476,367 98
Lamps and Gas and Electric Lighting.....	760,000 00	759,699 80		300 20	6,500 00	1,624 95	1,493 23	3,381 82
Lamps and Gas and Electric Lighting—Salaries.....	6,500 00	6,489 05		10 95	230,290 00	6,061 17	75,083 13	149,137 68
Laying Croton Pipes.....	230,290 00	185,368 41	13,909 75	31,020 84	19,710 00	4,090 99	4,831 99	10,787 02
Laying Croton Pipes—Salaries.....	19,710 00	16,941 65		2,768 35	107,500 00	11,046 08	11,198 01	85,255 91
Public Buildings—Construction and Repairs.....	94,900 00	94,277 84		622 16	2,000 00	18 65	536 75	1,444 60
Public Drinking-hydrants.....	3,000 00	2,909 04		96	1,200 00	300 00	300 00	600 00
Public Drinking-hydrants—Salaries	1,200 00	884 84		315 16	42,000 00	8,926 95	12,949 25	20,123 80
Removing Obstructions in Streets and Avenues.....	46,238 99	46,229 20		9 79	7,800 00	2,025 00	2,025 00	3,750 00
Removing Obstructions in Streets and Avenues—Salaries.....	7,800 00	7,800 00			215,000 00	36,068 40	55,554 94	123,376 66
Repairing and Renewal of Pipes, Stop-cocks, etc.....	221,000 00	220,982 11		17 89	350,000 00	14,345 97	66,207 09	269,446 94
Repairs and Renewal of Pavements and Regrading.....	300,000 00	292,590 39	2,693 16	4,716 45	17,000 00	3,599 00	4,278 50	9,122 50
Repairs and Renewal of Pavements and Regrading—Salaries.....	17,000 00	16,273 50		726 50	348,800 00		44,575 38	304,224 62
Repaving Streets and Avenues.....	350,000 00	184,076 78	5,363 66	160,559 56	13,000 00	1,287 50	2,871 25	8,841 25
Repaving Streets and Avenues—Salaries.....	13,000 00	12,335 75		664 25	95,000 00	1,872 62	3,283 51	24,843 87
Roads, Streets and Avenues Unpaved—Maintenance, etc.....	30,000 00	29,926 08		73 92	23,250 68	23,637 25	48,112 07	29,831 38
Salaries—Department of Public Works.....	95,000 00	92,110 87		2,889 13	10,000 00	5,731 95	4,178 00	90 05
Salaries—Engineers, Clerks, Inspectors, etc.....	58,000 00	58,874 32		1,125 63	58,000 00	14,027 99	14,142 63	29,831 38
Salaries—Engineers and Inspectors—Repaving, Chapter 346, Laws 1889.....					10,000 00	5,731 95	4,178 00	90 05
Sewers—Repairing and Cleaning.....	125,000 00	118,279 36	5,339 64	1,381 00	115,000 00	23,030 49	30,928 66	61,040 94
Sewers—Repairing and Cleaning—Salaries.....	10,000 00	9,903 92		96 08	2,400 00	2,400 00	2,400 00	5,120 04
Sewerage System—Salaries.....	8,500 00	8,146 17		453 83	3,000 00	555 00	637 00	1,808 00
Street Improvements—For Surveying, Monumenting, etc.....	3,000 00	2,444 50		555 50	139,250 00	23,261 74	28,854 39	87,133 87
Supplies for and Cleaning Public Offices—Salaries.....	139,250 00	137,549 54	845 22	845 22	18,000 00	4,779 87	4,433 91	9,706 22
Supplies for and Cleaning Public Offices—Salaries.....	18,000 00	18,521 59		398 41	10,000 00	1,987 00	2,295 50	5,717 50
Supplying Water to Shipping and for Building Purposes—Salaries.....	10,000 00	9,999 05		95	7,100 00	1,774 98	1,774 98	3,550 04
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	7,100 00	7,099 92		08	5,000 00	490 86	973 14	3,536 00
Water Supply for the Twenty-fourth Ward.....	3,900 00	3,661 39		238 61	1,200 00	300 00	300 00	600 00
Water Supply for the Twenty-fourth Ward—Salaries.....	1,200 00	1,200 00			250 00			250 00
Wells and Pumps—Repairing and Cleaning.....	250 00	87 70		162 30				
Totals.....	\$3,160,408 30	\$2,820,389 43	\$30,612 43	\$309,406 44	\$3,147,570 00	\$392,732 23	\$704,588 51	\$2,050,249 26

NOTE.—Requisitions drawn Second Quarter, 1892, on Liability of 1889, Repaving—Chapter 346, Laws 1889, \$10; Requisitions drawn Second Quarter, 1892, on Liability of 1890, Aqueduct—Repairs, Maintenance, etc., Building New Gate-house, \$2,915.99; Completing Excavation Old Central Park Reservoir, \$9,574.20; Laying Croton Pipes, \$15,600; Repairs and Renewal of Pavements, \$1,549.47; Repaving Streets and Avenues, \$1,670.66; Requisitions drawn Second Quarter, 1892, on Liability of 1891, Repaving—Chapter 346, Laws 1889, \$47,505.11; Requisitions drawn Second Quarter, 1892, on Liability of 1892, Repaving—Chapter 35, Laws 1892, \$5,011.21.

TITLES OF TRUST ACCOUNTS.	BALANCES AND RETURNS OF ARREARS FROM 1891.	RECEIPTS, FIRST QUARTER, 1892.	RECEIPTS, SECOND QUARTER, 1892.	BALANCES AND RETURNS TO JULY 1, 1892.	REQUISITIONS, FIRST QUARTER, 1892.	REQUISITIONS, SECOND QUARTER, 1892.	BALANCES, JULY 1, 1892.
Croton Water Fund.....					\$31,041 02	\$48,323 76	
Street Improvement Fund.....					188,386 78	261,786 12	
Restoring and Repaving—Special Fund—Department of Public Works	\$13,031 88	\$11,195 00	\$17,877 25	\$42,104 13	7,553 17	13,863 31	\$20,687 65
Water Meter Fund, No. 2.....	23,380 94	3,613 59	2,568 48	29,563 01	5,607 76	5,400 66	18,494 59
Criminal Court-house Fund.....					166,350 99	127,725 00	
Fund for Viaduct from St. Nicholas place, etc.....					110,639 18	82,379 35	
Public Building, Twelfth Ward, Construction of.....					17,819 82	22,429 50	

Statement of General Bookkeeper, D. P. W., showing all Revenues of the City received through the Department of Public Works during the First Six Months, 1892.

TITLES.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.	TITLES.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.
Water rents.....	\$326,940 01	\$762,892 82	\$1,089,832 83	Use of road rollers	\$212 01	\$39 50	\$251 51
Water penalties.....	1,957 05	1,433 85	3,390 90	Sales at auction.....	652 50	1,402 21	2,054 71
Pipe tapping	2,059 00	4,458 50	6,517 50	Work and material furnished citizens	4,508 88	268 14	4,777 02
Sewer permits	6,038 89	8,575 30	14,614 19				
Vault permits	17,141 02	39,278 85	56,419 87	Totals.....	\$360,425 11	\$818,796 92	\$1,179,222 03
Redemption of street obstructions.....	915 75	447 75	1,363 50				

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, 1892.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening, 1892—

Blacksmithing	\$109 67
Coal.....	4,007 98
Cement	107 50
Earth for grading	183 75
Flagging	135 00
Fire-brick arches.....	135 50
Horse-hire.....	472 00
Hardware supplies.....	465 87
Lumber	711 95
Oil	307 00
Paint supplies	147 35
Pay-rolls	33,941 81
Repairs to engines.....	497 32
Setting water-meter at Sing Sing.....	112 25
Sundry supplies.....	95 30
Sand	22 50
Taxes	1,100 70
Traveling expenses	67 35
Wood.....	45 00
Total.....	\$42,665 80

Aqueduct—Repairs, Maintenance and Strengthening, 1891—

Iron railing	\$322 00
Laying sidewalk, Ninetieth street, west of Ninth avenue.....	259 00
Water-meters	900 00
Wire screens.....	96 00
Total.....	\$1,577 00

Aqueduct—Repairs, Maintenance and Strengthening, 1890—

Connecting gate-house at One Hundred and Thirty-fifth street and Convent avenue	\$2,915 99
Improvement of Old Reservoir, Central Park.....	9,574 20
Total.....	\$12,490 19

Boring Examinations for Grading and Sewer Contracts, 1892—

Boring Fifth avenue, from One Hundred and Thirty-eighth street to Harlem river.....	\$2,000 00
Pay-rolls	891 00
Total.....	\$2,891 00

Boulevards, Roads and Avenues, Maintenance of, 1892—

Bone dust.....	\$124 00
Gravel and screenings	3,625 30
Hardware supplies.....	229 10
Horse-hire.....	90 00
Lumber.....	69 04
Paint	152 75
Pay-rolls	22,776 01
Rent of lot.....	1,000 00
Repairs to sprinklers.....	64 60
Rubber hose	185 60
Telephone service.....	33 75
Total.....	\$28,350 24

Bronx River Works—Maintenance and Repairs, 1892—

Pay-rolls	\$5,019 00
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Contingencies—Department of Public Works, 1892—

Badges.....	\$36 00
Horse-hire.....	284 00
Legislative documents, 1892.....	50 00
Miscellaneous incidental expenses.....	328 86
Postage stamps.....	110 00
Traveling expenses.....	16 80
Total.....	\$825 66

Contingencies—Department of Public Works, 1891—

Miscellaneous incidental expenses.....	\$3 00
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Flagging Sidewalks and Fencing Vacant Lots in Front of City Property, 1892—

Fencing.....	\$400 00
Pay-rolls	52 50
Total.....	\$452 50

Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1891—

Flagging.....	\$890 00
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For New Fire-hydrants, 1892—

Hydrants.....	\$592 50
Placing hydrants.....	983 29
Total.....	\$1,575 79

Free Floating Baths—Care and Maintenance, 1892—

Gas-fitting.....	\$144 15
Hardware supplies.....	121 05
Lumber	220 95
Painting and repairing baths	1,970 00
Pay-rolls	333 00

Free Floating Baths—Care and Maintenance, 1892—

Rope	\$258 72
Ship-carpenter work	2,150 00
Sundry supplies	206 13
Traveling expenses	31 29
Wharfage	1,372 50
Total	\$6,807 79

Lamps and Gas and Electric Lighting, 1892—

Boulevard lamps and globes	\$942 75
Crossheads	432 00
Fire-alarm signal lamps	204 00
Gas examinations	471 00
Horse-hire	390 00
Lighting public offices	13,227 29
Lighting streets	178,961 22
Lettering globes	90 00
Lamp-irons	501 06
Lamp-posts	3,454 27
Pay-rolls	804 00
Rent of photometrical rooms	240 00
Ruby door glass	81 25
Repairing gas-governor	100 00
Repairing lamp tops	108 90
Repairing signs	75 00
Street lamps	591 30
Street signs	234 66
Sundry supplies	158 12
Total	\$201,126 76

Laying Croton Pipes, 1892—

Cast-iron water pipe	\$20,745 77
Horse-hire	270 00
Laying water-pipes	49,832 10
Pay-rolls	4,019 98
Traveling expenses	215 30
Total	\$75,083 15

Laying Croton Pipes, 1891—

Laying water-pipes	\$13,900 75
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Laying Croton Pipes, 1890—

Pumping engine, boilers, etc.	\$15,600 00
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Public Buildings—Construction and Repairs, 1892—

Armory, Seventh Regiment	\$441 63
“ Eighth “	15 00
“ Ninth “	107 80
“ Sixty-ninth “	235 24
“ Seventy-first Regiment	508 02
Brown-stone Building	299 56
Bureau of Repairs and Supplies	1,125 64
City Hall	364 98
Court, First District, Civil	17 61
“ Third “	12 60
“ Fifth “	155 59
“ Seventh “	196 94
“ Tenth “	28 54
Court, First District, Police	45 00
“ Fourth “	114 80
Court-house, County	1,561 68
County Jail	120 00
Dog Pound	160 07
Hall of Records	120 56
Ludlow Street Jail	51 38
Market, Catharine	89 17
“ Centre “	261 92
“ Clinton “	92 20
“ Essex “	55 42
“ Fulton “	379 24
“ Jefferson “	44 65
“ Washington “	85 00
“ West Washington “	94 00
Old Arsenal	15 00
Pay-rolls	3,676 00
No. 27 Chambers street	3 00
No. 31 Chambers street	606 56
Nos. 49 and 51 Chambers street	6 00
Rivington street and East river	107 21
Total	\$11,198 01

Public Drinking-hydrants, 1892—

Drinking-hydrants	\$155 88
Repairing hydrants	380 87
Total	\$536 75

Removing Obstructions in Streets and Avenues, 1892—

Horse-hire	\$270 00
Pay-rolls	1,991 00
Removing obstructions	1,852 50
Removing poles and wires	8,059 00
Removing trees	563 50
Traveling expenses	213 25
Total	\$12,949 25

Repairing and Renewal of Pipes, Stop-cocks, etc., 1892—

Changing taps	\$41 77
Caulking yarn	77 50
Hardware supplies	266 82
Horse-hire	270 00
Hydrant nozzles	165 00
Pay-rolls	45,174 11
Pig lead	442 90
Repairing fire-hydrants	325 20
Repairing pavements	254 67
Repairing roof of house, pipe yard	170 50
Repairing stop-cock vault	101 75
Setting water-meters	239 08
Stop-cocks	5,959 81
Sundry supplies	297 27
Tapping-cocks and boxes	2,365 00
Telephone service	168 75
Traveling expenses	59 81
Whitewood plugs	75 00
Total	\$55,554 94

Repairs and Renewal of Pavements and Regrading, 1892—

Hardware supplies	\$335 26
Horse-hire	578 00
Pay-rolls	62,487 10
Paving cement	474 88
Pine wood	171 00

Repairs and Renewal of Pavements and Regrading, 1892—

Repairing pavement	\$324 33
Repairing tar kettles, etc	34 50
Repairing tools	968 55
Rent of lot	62 50
Sand	444 32
Sperm oil	93 60
Sundry supplies	43 80
Traveling expenses	189 25
Total	\$66,207 09

Repairs and Renewal of Pavements and Regrading, 1891—

Bridge-stones	\$1,027 46
Cutting granite blocks	750 00
Relaying pavement	915 70
Total	\$2,693 16

Repairs and Renewal of Pavements and Regrading, 1890—

Relaying pavement	\$1,549 47
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Repaving (Chapter 346, Laws of 1889), 1891—

Sixth avenue, from Carmine to Twenty-third street	\$24,248 11
Third avenue, from Twenty-third to Fifty-ninth street	23,317 00
Total	\$47,565 11

Repaving (Chapter 346, Laws of 1889), 1889—

Repairing pavement	\$10 00
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Repaving (Chapter 35, Laws of 1892), 1892—

Horse-hire	\$90 00
Pay-rolls	4,910 71
Traveling expenses	10 50
Total	\$5,011 21

Repaving Streets and Avenues, 1892—

Fifth avenue, from One Hundred and Tenth to One Hundred and Twentieth street	\$32,725 00
Fifty-fifth street, from Madison to Sixth avenue	11,785 33
Sundry supplies	65 05
Total	\$44,575 38

Repaving Streets and Avenues, 1891—

Beach street, from West to Greenwich street	\$88 10
Chambers street, from Washington to Greenwich street	38 80
Fulton street, from Broadway to Greenwich street	508 28
Franklin street, from West to Washington street	46 58
Fifty-second street, from Twelfth avenue to Hudson river	132 08
Greenwich street, from Fulton to Chambers street	828 92
Harrison street, from West to Washington street	121 58
Hubert street, from Washington to Greenwich street	60 70
Jay street, from West to Washington street	161 70
Laight street, from Washington to Greenwich street	60 54
North Moore street, from West Broadway to Greenwich street	1,806 52
North Moore street, from West to Greenwich street	136 30
Reade street, from West to Greenwich street	100 76
Spring street, from West to Greenwich street	304 58
Vestry street, from Washington to Greenwich street	62 02
Watts street, from Washington to Greenwich street	57 32
Washington street, from Reade to Spring street	848 88
Total	\$5,363 66

Repaving Streets and Avenues, 1890—

Church street, from Chambers to Canal street	\$976 44
Tompkins street, from Grand to Stanton street	604 22
Total	\$1,670 66

Roads, Streets and Avenues, Unpaved, Maintenance of, etc., 1892—

Hardware supplies	\$148 95
Horse-hire	180 00
Pay-rolls	2,954 56
Total	\$3,283 51

Sewers—Repairing and Cleaning, 1892—

Basin-heads	\$270 00
Cement	85 00
Cleaning sewers	5,457 87
Fire-hose	500 00
Horse-hire	540 00
Manhole-heads and covers	476 70
Pay-rolls	22,920 50
Relaying sewers	280 00
Repairing tools	33 04
Traveling expenses	305 55
Total	\$30,928 66

Sewers—Repairing and Cleaning, 1891—

Repairing sewers	\$5,191 94
Traveling expenses	147 70
Total	\$5,339 64

Street Improvements—For Surveying, Monumenting, etc., 1892—

Map of New York City	\$52 00
Pay-rolls	585 00
Total	\$637 00

Supplies for and Cleaning Public Offices, 1892—

Armory, Sixty-ninth Regiment	\$18 00
“ Seventy-first Regiment	280 00
Bureau of Repairs and Supplies	5,019 77
Brown-stone Building	78 00
City Hall	1,004 68
Court, First District, Civil	40 00
“ Second “	9 00
“ Third “	65 50
“ Sixth “	61 52
“ Seventh “	9 00
“ First District, Police	6 00
“ Fourth “	12 00
“ Fifth “	9 00
“ Sixth “	31 50
“ City	48 00
“ Common Pleas	54 00
“ General Sessions	37 50
“ Supreme	19 50
Court-house, County	239 18
Office, Department of Finance	60 00
“ Department of Public Works	147 85
“ Department of Street Cleaning	3 00
“ Department of Taxes and Assessments	20 60
“ Board of Aldermen	9 00
“ Corporation Attorney	9 00
“ Counsel to the Corporation	53 95

Supplies for and Cleaning Public Offices, 1892—

Office, County Clerk.....	\$14 50
“ District Attorney.....	23 00
“ Public Administrator.....	95 00
“ Register.....	207 66
“ Sheriff.....	63 00
“ Surrogate.....	85 00
Pay-rolls.....	20,933 32
Tombs.....	4 50
Total.....	\$28,854 39

Supplies for and Cleaning Public Offices, 1891—

Bureau of Repairs and Supplies.....	\$636 54
Brown-stone Building.....	81 86
Court, General Sessions.....	51 82
Office, Corporation Counsel.....	75 00
Total.....	\$845 22

Water Supply for the Twenty-fourth Ward, 1892—

Supply of Water.....	\$973 14
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RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening, 1892.....	\$42,665 80
Aqueduct—Repairs, Maintenance and Strengthening, 1891.....	1,577 00
Aqueduct—Repairs, Maintenance and Strengthening, 1890.....	12,490 19
Aqueduct—Repairs, Maintenance and Strengthening—Salaries, 1892.....	6,981 49
Boring Examinations for Grading and Sewer Contracts, 1892.....	2,891 00
Boulevards, Roads and Avenues, Maintenance of, 1892.....	28,350 24
Boulevards, Roads and Avenues, Maintenance of—Salaries, 1892.....	624 99
Bronx River Works—Maintenance and Repairs, 1892.....	5,019 00
Bronx River Works—Maintenance and Repairs—Salaries, 1892.....	300 00
Contingencies—Department of Public Works, 1892.....	845 66
Contingencies—Department of Public Works, 1891.....	3 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1892.....	452 50
Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1891.....	890 00
For New Fire-hydrants, 1892.....	1,575 79
Free Floating Baths—Care and Maintenance, 1892.....	6,807 79
Free Floating Baths—Care and Maintenance—Salaries, 1892.....	5,056 00
Lamps and Gas and Electric Lighting, 1892.....	201,126 76
Lamps and Gas and Electric Lighting—Salaries, 1892.....	1,493 23
Laying Croton-pipes, 1892.....	75,083 15
Laying Croton-pipes, 1891.....	13,900 75
Laying Croton-pipes, 1890.....	15,000 00
Laying Croton-pipes—Salaries, 1892.....	4,831 99
Public Buildings—Construction and Repairs, 1892.....	11,198 01
Public Drinking-hydrants, 1892.....	536 75
Public Drinking-hydrants—Salaries, 1892.....	300 00
Removing Obstructions in Streets and Avenues, 1892.....	12,949 25
Removing Obstructions in Streets and Avenues—Salaries, 1892.....	2,025 00
Repairing and Renewal of Pipes, Stop cocks, etc., 1892.....	55,554 94
Repairs and Renewal of Pavements and Regrading, 1892.....	66,207 09
Repairs and Renewal of Pavements and Regrading, 1891.....	2,693 10
Repairs and Renewal of Pavements and Regrading, 1890.....	1,549 47
Repairs and Renewal of Pavements and Regrading—Salaries, 1892.....	4,278 50
Repaving—(Chapter 346, Laws of 1889), 1891.....	47,505 11
Repaving—(Chapter 346, Laws of 1889), 1889.....	10 00
Repaving (Chapter 35, Laws of 1892), 1892.....	5,011 21
Repaving Streets and Avenues, 1892.....	44,575 38
Repaving Streets and Avenues, 1891.....	5,363 66
Repaving Streets and Avenues, 1890.....	1,670 66
Repaving Streets and Avenues—Salaries, 1892.....	2,871 25
Roads, Streets and Avenues Unpaved, Maintenance of, 1892.....	3,283 51
Salaries—Department of Public Works, 1892.....	23,637 25
Salaries of Engineer, Clerks, Inspectors, Measurers, etc., 1892.....	14,140 63
Salaries of Engineer, Inspectors, etc., on Repaving, under Chapter 346, Laws of 1889, 1892.....	4,178 00
Sewers—Repairing and Cleaning, 1892.....	30,928 66
Sewers—Repairing and Cleaning, 1891.....	5,339 64
Sewers—Repairing and Cleaning—Salaries, 1892.....	2,469 98
Sewerage System—Salaries, 1892.....	2,100 00
Street Improvements—For Surveying, Monumenting, etc., 1892.....	637 00
Supplies for and Cleaning Public Offices, 1892.....	28,854 39
Supplies for and Cleaning Public Offices, 1891.....	845 22
Supplies for and Cleaning Public Offices—Salaries, 1892.....	4,433 91
Supplying Water to Shipping and for Building Purposes—Salaries, 1892.....	2,295 50
Surveys, Maps, etc., for Street Openings and New Streets—Salaries, 1892.....	1,774 98
Water Supply for the Twenty-fourth Ward, 1892.....	973 14
Water Supply for the Twenty-fourth Ward—Salaries, 1892.....	300 00
Totals.....	\$819,097 58

TRUST ACCOUNTS.

Croton Water Fund—	
Clerical services.....	\$625 00
Drawing materials.....	98 74
Horse-hire.....	695 00
Pay-rolls.....	15,007 24
Professional services.....	3,808 50
Reservoir, near Amawalk.....	27,521 55
Repairing instruments.....	87 00
Taxes.....	66 93
Traveling expenses.....	1,013 80
Total.....	\$48,923 76
Criminal Court-house Fund—	
Carpenter work.....	\$9,897 00
Heating and ventilation.....	19,500 00
Iron work.....	17,121 00
Mason work.....	78,774 00
Plumbing, gas-fitting and drainage.....	750 00
Pay-rolls.....	1,683 00
Total.....	\$127,725 00
Fund for Viaduct from St. Nicholas place, etc.—	
Architect's fees.....	\$3,091 04
Pay-rolls.....	2,001 51
Sundry supplies.....	10 75
Work on contract.....	77,276 05
Total.....	\$82,379 35
Public Buildings, Twelfth Ward, Construction of—	
Pay-rolls.....	\$679 50
Work on contract.....	21,750 00
Total.....	\$22,429 50
Restoring and Repaving—Special Fund—	
Breaking stone for concrete.....	\$100 00
Cement.....	153 69
Cutting granite blocks.....	750 00
Horse-hire.....	44 50
Pay-rolls.....	7,030 25
Restoring pavement.....	5,784 87
Total.....	\$13,863 31

Street Improvement Fund—

Curbing and flagging.....	\$3,246 42
Fencing.....	981 49
Paving and crosswalks.....	91,479 50
Pay-rolls.....	26,331 08
Regulating, grading, etc.....	46,028 60
Sewers.....	90,520 28
Surveying.....	3,189 75
Total.....	\$261,786 12

Water-meter Fund, No. 2—

Setting meters.....	\$1,400 66
Water meters.....	4,060 00
Total.....	\$5,460 66

RECAPITULATION OF FUNDS.

Croton Water Fund.....	\$48,923 76
Criminal Court-house Fund.....	127,725 00
Fund for Viaduct from St. Nicholas place, etc.....	82,379 35
Public Buildings, Twelfth Ward, Construction of.....	22,429 50
Restoring and Repaving—Special Fund.....	13,863 31
Street Improvement Fund.....	261,786 12
Water-meter Fund, No. 2.....	5,460 66
Total.....	\$562,567 70

Document “C.”

STATEMENT OF CONTRACTS.

Contracts Entered Into during the Three Months ending June 30, 1892.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
<i>Sewers and Receiving-basins.</i>		
Sewer in One Hundred and Eighty-first street, between Amsterdam and Eleventh avenues, etc.....	Thomas Murray.....	\$10,382 50
Sewer in West Eleventh street, between North river and West street, and sewer in Thirteenth avenue, between North river and Bethune street, etc.....	William F. Cunningham.....	16,142 00
Alteration and improvement to sewers at Little West Twelfth street and Thirteenth avenue, and in Bloomfield street, between Thirteenth avenue and West street; new sewer in Thirteenth avenue, between Little West Twelfth and Bloomfield streets, etc.....	Joseph Moore.....	10,921 00
Alteration and improvement to sewer in Twenty-fourth street, between East river and First avenue; in Twenty-fifth street, between Avenue A and First avenue, and new sewer in Avenue A, between Twenty-fourth and Twenty-fifth streets.....	Patrick Hardiman.....	13,745 00
Alteration and improvement to sewers in Gansevoort and Horatio streets, between Thirteenth avenue and West street, and in Thirteenth avenue, between Gansevoort and Bloomfield streets; new sewer in Thirteenth avenue, between Gansevoort and Horatio streets, etc.....	Joseph Moore.....	23,986 00
Alterations and improvements to sewers in Jane and West Twelfth streets, between Thirteenth avenue and Washington street, and in Bethune street, between Thirteenth avenue and West street; new sewer in Thirteenth avenue, between Bethune and Horatio streets, etc.....	Philip Kearns.....	32,890 00
Repairs to sewer in One Hundred and Forty-fifth street, between Eighth and Edgecombe avenues.....	Del Genovese & Towle.....	1,696 00
Sewer in Sixty-eighth street, between Avenue A and East river.....	J. H. Kerrigan.....	4,785 00
Sewer in Ninety-first street, between Harlem river and Avenue A.....	John Madden.....	971 35
Sewer in Ninety-eighth street, between Third and Park avenues.....	W. J. Ford.....	7,822 50
Sewer in One Hundred and Forty-ninth street, between Boulevard and Amsterdam avenue, and in Amsterdam avenue, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets.....	William P. Baird.....	4,701 00
Receiving-basin, southeast corner of One Hundred and Fifty-third street and Eighth avenue.....	John Slattery.....	282 50
Receiving-basin, northwest corner of One Hundred and Forty-first street and Edgecombe avenue.....	“.....	282 00
Receiving-basin, west side of Edgecombe avenue, opposite One Hundred and Forty-second street.....	“.....	294 00
Receiving-basin, northeast corner of One Hundred and Forty-third street and Eighth avenue.....	“.....	233 00
Receiving-basin, intersection of One Hundred and Twenty-seventh and Lawrence streets (alteration and improvement).....	“.....	200 00
Receiving-basin, northwest corner of Eighty-first street and Lexington avenue.....	W. J. Murray.....	621 00
Receiving-basin, northwest corner of Twenty-seventh street and Eleventh avenue.....	John Slattery.....	289 00
Receiving-basins, southwest corner of One Hundred and Seventeenth street, and southwest and southeast corners of One Hundred and Eighteenth street and Fifth avenues.....	“.....	845 50
Receiving-basins, southwest and southeast corners of One Hundred and Fourteenth street, and southeast corner of One Hundred and Sixteenth street and Fifth avenue.....	George F. Swift.....	669 50
Receiving-basins, southeast corners of One Hundred and Eleventh, One Hundred and Twelfth and One Hundred and Thirteenth streets and Fifth avenue.....	“.....	675 50
Receiving-basin, southwest corners of One Hundred and Eleventh, One Hundred and Twelfth and One Hundred and Thirteenth streets and Fifth avenue.....	“.....	675 50
Receiving-basin, northeast corner of Ninety-seventh street and West End avenue.....	“.....	249 00
Receiving-basin, southwest corner of Ryder's alley and Fulton street, and southwest corner of Dutch and Fulton streets.....	“.....	415 00
Receiving-basin, northeast corner of Duane and Caroline streets.....	“.....	201 50
Receiving-basin, southeast corner of park in Broadway, between Thirty-second and Thirty-third streets.....	“.....	236 25
Receiving-basin, southeast corner of Baxter and Walker streets.....	“.....	201 50
Total.....		\$134,443 10
<i>Regulating, Grading, Curbing and Flagging Contracts.</i>		
Regulating, grading, etc., One Hundred and Forty-fourth street, between Boulevard and Twelfth avenue.....	John J. Hopper.....	\$7,396 00
Regulating, grading, etc., One Hundred and Forty-fifth street, between Boulevard and Twelfth avenue.....	“.....	7,589 96
Regulating, grading, etc., Avenue B, between Eighty-sixth street and Harlem river.....	Rafael Wood.....	4,507 20
Regulating, grading, etc., Boulevard, between One Hundred and Fifty-sixth and Inwood streets.....	R. McLaughlin.....	244,372 49
Regulating, grading, etc., One Hundred and Forty-eighth street, between Amsterdam and St. Nicholas avenues.....	William G. Leeson.....	2,195 00
Regulating, grading, etc., Manhattan street, between Twelfth avenue and Hudson river.....	George F. Doak.....	651 50
Regulating, grading, etc., Convent avenue, between One Hundred and Twenty-seventh and One Hundred and Thirty-fifth streets.....	Thomas J. Dunn.....	7,819 24
Flagging, etc., east side of Park avenue, from Ninety-sixth to One Hundred and Second street.....	A. E. Moran.....	1,566 98
Flagging, etc., both sides of Thirty-first, Thirty-second and Thirty-third streets, from First avenue to East river.....	Walter J. Ford.....	2,652 45
Flagging, etc., northeast corner Seventy-fifth street and Amsterdam avenue.....	“.....	743 60
Flagging, etc., west side of Broadway, from Thirty-first to Thirty-second street.....	Thomas J. Dunn.....	298 92
Flagging, etc., Seventh avenue, from Thirty-sixth to Thirty-seventh street.....	“.....	1,533 25
Flagging, etc., Eighty-eighth street, from Central Park, West, to Riverside Drive, and Eighty-ninth street, from West End avenue to Riverside Drive.....	“.....	6,063 58
Flagging, etc., northwest corner of One Hundred and Fifth street and First avenue.....	“.....	619 50
Flagging, etc., southwest corner of One Hundred and Seventeenth street and Second avenue, and west side of Second avenue, from One Hundred and Seventeenth to One Hundred and Eighteenth street.....	“.....	406 20
Flagging, etc., west side of St. Nicholas avenue, from One Hundred and Seventeenth street to One Hundred and Nineteenth street, and on One Hundred and Seventeenth street, from Eighth to St. Nicholas avenue.....	“.....	842 40
Flagging, etc., north side of Thirty-fourth street, from Eighth to Ninth avenue.....	“.....	1,281 33
Flagging, etc., Sixty-fifth street, from Central Park, West, to Columbus avenue.....	“.....	2,159 00
Flagging, etc., south side of One Hundred and Forty-first street, from St. Nicholas to Convent avenue.....	“.....	426 20

NATURE AND LOCATION OF WORK.		CONTRACTOR.	ESTIMATED COST.	Contracts Completed.		AMOUNT.
Flagging, etc., northeast corner of One Hundred and Twenty-seventh street and Eighth avenue.		Thomas J. Dunn.	\$154 10	Sewer.	Sewer and Receiving-basin Contracts.	
Flagging, etc., Eighth avenue, from One Hundred and Forty-eighth to One Hundred and Fifty-fourth street.		W. J. Ford.	3,389 89		Thirty-fourth street, between Eleventh and Twelfth avenues and in Twelfth avenue, between Thirty-fourth and Thirty-fifth streets.	
Flagging, etc., Ninety-ninth street, from Second to Third avenue.		Thomas Callanan.	1,09 02		One Hundred and Fifteenth street, between Riverside avenue and Boulevard.	
Flagging, etc., north side of One Hundred and Third street, extending 50 feet west of Third avenue.		"	815 00		One Hundred and Eighty-fifth street, between Amsterdam and Audubon avenues.	
Flagging, etc., block bounded by Hancock place, One Hundred and Twenty-fifth street, St. Nicholas and Columbus avenues.		A. E. Moran.	518 50		One Hundred and Twenty-first street, between Harlem river and Pleasant avenue.	
Flagging, etc., Columbus avenue, from Sixty-fifth to Seventieth street.		"	1,427 10		One Hundred and Fifteenth street, between Harlem river and Pleasant avenue.	
Flagging, etc., west side of Eighth avenue, from One Hundred and Eleventh to One Hundred and Twelfth street.		"	556 50		One Hundred and Sixth street, north side, between Central Park, West, and Manhattan avenue.	
Flagging, etc., east side of Eighth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-fourth street.		"	439 70		One Hundred and Sixteenth street, between Harlem river and Pleasant avenue.	
Flagging, etc., east side of Tenth avenue, from Thirtieth to Thirty-first street.		Thomas J. Dunn.	301 50		Seventy-second street, extending 615 feet east of Avenue A.	
Flagging, etc., One Hundred and Fifteenth street, from Lenox to St. Nicholas avenue.		"	247 70		First avenue, between Forty-third and Forty-fourth streets.	
Flagging, etc., One Hundred and Fifteenth street, from Fifth to Lenox avenue.		"	329 70		Rivington street, between Goerck and Columbia streets (repairs).	
Flagging, etc., east side of First avenue, from One Hundred and Fifth street to One Hundred and Sixth street.		"	402 50		One Hundred and First street, between Third and Park avenues.	
Flagging, etc., Forty-eighth street, between Tenth and Eleventh avenues.		"	225 25		Southeast corner of One Hundred and Fifty-third street and Eighth avenue.	
Flagging, etc., in front of Nos. 100 to 110 West Fifty-seventh street.		"	157 75		Edgcombe avenue, west side, opposite One Hundred and Forty-second street.	
Flagging, etc., north side of Eighty-sixth street, east of Third avenue.		"	249 50		Northeast corner of One Hundred and Forty-third street and Eighth avenue.	
Flagging, etc., west side of Eighth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-eighth street.		"	282 65		Intersection of One Hundred and Twenty-seventh and Lawrence streets.	
Flagging, etc., One Hundred and Forty-first street, from Edgcombe to St. Nicholas avenue.		"	155 30		Northwest corner of Twenty-seventh street and Eleventh avenue.	
Flagging, etc., One Hundred and Forty-first street, from Edgcombe to Eighth avenue.		"	118 44			
Flagging, etc., south side Seventy-eighth street, from Boulevard to Amsterdam avenue.		P. Hardiman.	335 00			
Flagging, etc., west side Seventh avenue, from One Hundred and Thirtieth to One Hundred and Thirty-first street.		"	247 00			
Flagging, etc., in front of Nos. 341 to 345 East One Hundred and Fifth street.		"	135 50			
Flagging, etc., east side Madison avenue, south of One Hundred and Seventh street.		Thomas J. Dunn.	186 36			
Flagging, etc., northeast corner Ninety-third street and Lexington avenue.		"	183 90			
			\$305,638 77			\$53,026 33
Paving Contracts—Assessment Work.				Regulating, grading, etc.		
Paving Ninth street, from Avenue D to East river.		John G. Smith.	\$5,663 31	Flagging.	One Hundred and Eighteenth street, between Amsterdam and Morningside avenues.	
Paving Ninety-first street, from First to Second avenue.		Dennis O'Connell.	5,310 50		F street, from Dyckman street to Bolton road.	
Paving One Hundred and Thirty-first street, from Twelfth avenue to Boulevard.		"	6,057 50		One Hundred and First street, from First avenue to East river.	
Paving One Hundred and Thirty-third street, from Broadway to Amsterdam avenue.		"	4,561 38		Amsterdam avenue, from One Hundred and Ninety-fourth street to Fort George avenue.	
Paving One Hundred and Eighteenth street, from Madison to Park avenue.		William P. Baird.	3,409 00		One Hundred and Thirty-eighth street, from Fifth to Lenox avenue.	
			\$25,101 69		Madison avenue, east side, between One Hundred and Thirty-first and One Hundred and Thirty-second streets.	
Repairing Contracts.					One Hundred and Second street, between Columbus and Amsterdam avenues.	
Paving Fifth avenue, from One Hundred and Tenth to One Hundred and Twentieth street.		Barber Asphalt Paving Co.	\$62,624 50		Thirty-seventh street, between Eighth and Ninth avenues.	
Paving One Hundred and Twentieth street, from Fifth to Lenox avenue, and One Hundred and Twenty-third street, from Mount Morris to Lenox avenue.		"	8,797 00		Seventy-eighth street, between Second and Third avenues.	
Paving Fifty-fifth street, from Madison to Sixth avenue.		"	17,023 25		One Hundred and Thirty-third street, from Lenox to Seventh avenue.	
Paving Eldridge street, from Division to Houston street.		"	45,768 00		Northwest corner of Mount Morris avenue and One Hundred and Twentieth streets.	
Paving Ludlow street, from Division to Houston street.		"	40,237 00		Madison avenue, between Ninety-third and One Hundredth streets.	
Paving Houston street, from Eldridge to Ludlow street, and Fifth avenue at Eighth street.		"	12,060 90		Madison avenue, between One Hundred and Sixteenth and One Hundred and Twentieth streets.	
Paving Houston street, from Bowery to Eldridge street and from Ludlow to Lewis street.		Thomas Gearty.	56,840 00		Eight avenue, between One Hundred and Thirty-seventh and One Hundred and Thirty-eighth streets.	
Paving Third street, from Broadway to Sixth avenue.		James Pollock.	24,966 50		One Hundred and Fifteenth street, between Third and Lexington avenues.	
Paving Lispenard street, from Broadway to West Broadway, and Park place, from Broadway to Greenwich street.		John G. Smith.	26,571 15		Sixty-fourth street, between Central Park, West, and Boulevard, etc.	
Paving Eighth avenue, from Hudson to Thirtieth street.		James Pollock.	22,682 00		In front of Nos. 100 and 110 to 116 West Fifty-seventh street.	
Paving Baver street, from Whitehall to Pearl street; Cortlandt street, from Broadway to Greenwich street; Liberty street, from Broadway to Greenwich street, and Church street, from Vesey to Fulton street.		Matthew Baird.	30,349 65		Manhattan and St. Nicholas avenues, One Hundred and Twenty-second and One Hundred and Twenty-third streets.	
Paving Fulton street, from Broadway to Pearl street; Duane street, from Washington to West street; Reade street, from Centre to Elm street, and Canal street, from Washington to Greenwich street.		"	34,049 69		Avenue A, east side, between Seventy-third and Seventy-fourth streets.	
Paving Fourth avenue, from Bowery to Thirty-second street.		"	182,427 00		Fifth avenue, between One Hundred and Fourteenth and One Hundred and Fifteenth streets, etc.	
Paving Forty-second street, from Third to Eighth avenue.		"	73,452 00		One Hundred and Sixteenth street, between Madison and Eighth avenues.	
Paving Liberty street, from Nassau street to 210 feet west; Fifth avenue, from Fourth street to Waverley place, and Twentieth and Twenty-first streets, from Third to Fourth avenue.		Barber Asphalt Paving Co.	26,396 50	Paving.	Paving Contracts—Assessment Work.	
Paving Broome street, from Bowery to Lewis street.		Sicilian Asphalt Paving Co.	48,950 00		One Hundred and Third street, from First avenue to East river.	
Paving Rivington street, from Bowery to Cannon street.		"	48,950 00		One Hundred and First street, from First to Second avenue.	
Paving Chrystie street, from Division to Grand street, Forsyth street, from Broome to Houston street.		"	69,943 10		One Hundred and Fourth street, from First avenue to East river.	
Paving Tenth street, from Second avenue to Avenue A; Thirty-seventh street, from First to Third avenue, and Thirty-eighth street, from Park to Lexington avenue.		"	38,293 60		One Hundred and Fourteenth street, from Manhattan to Columbus avenues.	
Paving Division street, from Catharine to Pitt street, and Cherry street, from Roosevelt to Catharine street.		Barber Asphalt Paving Co.	56,322 10		One Hundred and Twenty-second street, from Manhattan to Columbus avenue.	
Paving Spring street, from Hudson to Clark street; Dominick street, from Hudson to Clark street, and Second street, from Bowery to Avenue A.		"	45,386 50		One Hundred and Seventeenth street, from Eighth to Columbus avenue.	
Paving One Hundred and Twenty-third street, from Lenox to Seventh avenue.		"	9,949 60		One Hundred and Nineteenth street, from Seventh to Lenox avenue.	
Paving Second avenue, from Houston to Twenty-second street, and Twenty-second street, from Second to Third avenue.		"	124,696 30		Ninety-ninth street, from First to Second avenue.	
			\$1,106,697 39		Ninety-eighth street, from Amsterdam avenue to Boulevard.	
Miscellaneous Contracts.					One Hundred and Eighteenth street, from Madison to Park avenue.	
Furnishing stop-cocks, hydrants, wooden hydrant boxes, cast-iron stop-cock boxes and manhole heads.		Kennedy Valve Mfg. Co.	\$8,562 50		Fifty-eighth street, from Eleventh avenue to 50 feet west.	
Furnishing cut stone at the Reservoir, Central Park.		Walter J. Ford.	4,000 00		Fifty-eighth street, from 50 feet west of Eleventh avenue to Hudson river.	
Alterations to two buildings in West Washington Market.		Joseph Moore.	8,150 00			
Furnishing janitor's supplies.		Manhattan Supply Co.	1,705 45			
Repairs to porch on Centre street front of the Tombs.		R. Gill & Sons.	1,997 00			
Furnishing 20,000 cubic yards of broken stone and 300 cubic yards of screenings.		Murray & Reid.	11,800 00			
Furnishing 1,500 cubic yards of gravel and 7,000 cubic yards of screenings.		J. S. Howell.	2,025 00			
Taking down and removing Old Arsenal Building.		George F. Doak.	15,345 00			
Repairs and alterations to rooms occupied by the Supreme Court.		Walter J. Ford.	1,500 00			
		M. Theriault.	685 00			
			\$55,770 95			
Laying Water-main Contracts.						
In Sixth, Thirteenth, Walton, Manhattan and Amsterdam avenues, Avenue B and Edenwood avenue, in Forty-fifth, Seventy-third, Eighty-first, One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Thirty-ninth, One Hundred and Forty-third, One Hundred and Forty-ninth, One Hundred and Sixty-first, One Hundred and Sixty-seventh, One Hundred and Sixty-fourth, One Hundred and Eighty-first and Baxter streets and on Ward's Island.		Walter J. Ford.	\$12,221 00			
Fencing Contracts.						
Fencing vacant lots south side of One Hundred and Forty-fifth street, from St. Nicholas to Edgcombe avenue.		Patrick Hardiman.	\$50 88			
Fencing vacant lots in front of Nos. 202 and 204 East Ninety-fifth street.		"	26 50			
Fencing vacant lots in Ninetieth and Ninety-first streets, First avenue and Avenue A.		John A. Murphy.	243 16			
Fencing vacant lots north side Hancock place, between St. Nicholas and Columbus avenues.		Patrick Hardiman.	119 70			
			\$440 24			
RECAPITULATION.						
27 Sewer and Receiving-basin Contracts.			\$134,443 10			
42 Regulating, Grading, Curbing and Flagging Contracts.			305,638 77			
5 Paving Contracts—Assessment Work.			25,101 69			
23 Repairing Contracts.			1,106,697 39			
10 Miscellaneous Contracts.			55,770 95			
1 Laying Water-main Contracts.			12,221 00			
4 Fencing Contracts.			440 24			
112 Contracts.			\$1,640,333 14			
17 Sewer and Receiving-basin Contracts.			\$53,026 33			
22 Regulating, Grading, Curbing and Flagging Contracts.			49,750 45			
12 Paving Contracts—Assessment Work.			54,354 35			
2 Repairing Contracts.			26,660 23			
8 Fencing Contracts.			581 96			
1 Laying Water-mains Contract.			4,917 23			
3 Miscellaneous Contracts.			6,485 00			
65 Contracts.			\$195,775 55			

Document "D."

REPORT OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF CHIEF ENGINEER, NO. 31 CHAMBERS STREET, ROOM 10,
NEW YORK, July 7, 1892.

Hon. THOMAS F. GILROY, Commissioner of Public Works, New York City:

SIR—In compliance with your instructions, I herewith submit report for the quarter ending June 30, 1892:

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs.	\$43,858 29
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.	6,981 49
Aqueduct—Repairs, Maintenance and Strengthening—1890, Excavating, etc.	9,574 20
Aqueduct—Repairs, Maintenance and Strengthening—1890, Building New Gate-houses, etc.	2,915 99
Bronx River Works—Maintenance and Repairs.	5,019 00
Bronx River Works—Salaries.	300 00
Croton Water Fund	49,439 77
Contingencies, Department of Public Works.	14 00
Fund for Viaduct.	82,379 35
For New Fire Hydrants.	1,575 79
Laying Croton Pipes.	106,520 90
Laying Croton Pipes—Salaries.	4,831 99
Repairing and Renewal of Pipes, Stop-cocks, etc.	17,911 23
Salaries—Engineers.	3,868 98
Water Meter Fund, No. 2.	5,460 60
Water Supply for Twenty-fourth Ward.	973 14
Total.	\$341,624 72

STORAGE RESERVOIRS.

The Croton river has furnished a full supply to the Aqueduct for 69 days.

Storage has been drawn as follows:

Croton Lake.	Gallons. 100,000,000
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All of the storage reservoirs are full, and all of the lakes and ponds, except Gleneida and Gilead.

Rain-fall—Inches.

	APRIL.	MAY.	JUNE.	TOTAL.
Boyd's Corners Reservoir.	1.08	5.74	3.84	10.66
Middle Branch Reservoir.	1.04	5.84	3.19	10.07
Kensico Reservoir.	1.34	5.87	3.90	10.51
Central Park Reservoir.	2.17	4.82	2.96	9.95
Croton Dam.	1.28	4.99	4.28	10.55

The work on Reservoir A has been steadily prosecuted during the quarter.

The Commission appointed to appraise the lands necessary for this reservoir has closed the taking of testimony and are now making up their report to the Court.

Detail maps have been furnished the Counsel to the Corporation of the lands required at Cornell Dam and for Reservoirs D and M.

Surveys are continued for balance of lands required for Reservoir D and around Lake Gleneida.

BRONX RIVER SUPPLY.

An average of 8,000,000 gallons per day has been uninterruptedly furnished through this conduit during the quarter.

Owing to the dry winter and spring the reservoirs have only partially filled, and at present there is only 1,200,000,000 gallons of stored water available in this water-shed.

Storage drawn as follows:

Kensico Reservoir.	Gallons. 150,000,000
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The contractor for connecting the Byram river with the Kensico Reservoir has commenced work with a small force on the channel way.

Surveys for lands required for Byram Pond and Jerome Park Reservoirs have been continued.

Two gangs of men have been employed keeping the reservoirs, conduits and roads in order.

NEW AQUEDUCT.

A continuous supply has been received through the New Aqueduct during the quarter.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

DIVISIONS.	Earth Excavation.	Stone Quarried, Cubic Yards.	Dry Masonry, Cubic Yards.	Fence Built, Linear Feet.	Fence Repaired, Linear Feet.	Fence Painted, Linear Feet.	Sodding, Square Yards.	Filling and Grading, Cubic Yards.	Flagging, Square Feet.	Brick Masonry, Cubic Yards.	Curbing Set, Linear Feet.	Sewer Laid, Linear Feet.	Paving, Square Yards.
First	....	....	150	....	....	....	....	....	....	....	....	....	....
Second	102	....	13	3,160	....	635	....	95	22	4½	22	....	....
Third	80	200	160	375	....	375	....	....	....	....	....	....	....
Fourth	22	....	64	470	1,300	....	....	....	....	....	....	80	....
Fifth	75	....	....	800	400	300	104	135	....	....	....	....	31
Sixth	....	17	21	693	588	....	....	....	....	....	....	....	....
Seventh	....	....	2	3,180	....	....	....	320	....	....	....	....	....
Eighth	700	8,580	....	....	....	800	....	....	....	....	....	....	....
Total	979	8,737	410	8,678	2,238	2,110	104	550	22	4½	22	80	31

The regular work on the several divisions has been continued as usual, such as care of surface of Aqueduct, gate-houses, machinery, etc., patrolling reservoirs, cleaning up line, keeping drains and culverts in repair, removing gate-houses on Tenth avenue at One Hundred and Thirty-fourth and One Hundred and Forty-second streets, and connecting Old Aqueduct with new gate-houses at One Hundred and Thirty-fifth street. Placing meters on water supply at Sing Sing Prison.

The more particular have been as follows:

First Division—Rebuilding wall along the highway west of dam, rebuilding fence between Bushnell's lot and highway, pointing side walls below dam, grading in front of breast-wall new gate-houses, pointing culverts, cleaning up city property about the dam, cleaning up around the lake.

Second Division—Remodeling brick manhole in vault on Spring street for connection to prison water supply and putting in two Nash meters in place of one Crown meter; building fences on Swift lot, Tompkins lot, Secor lot, Maple place and Hoagg's bank; rebuilding stone-wall fence on

Potter's bank; building fence on east side of line known as Quaker's Bridge road; keeping culverts and drains in repair and cutting grass.

Third Division—Building dry wall on Clark bank with all the necessary excavation and filling for the same, quarrying stone; building and painting fence on Clark bank, keeping the culverts, drains and crosswalks in repair, cutting grass. None of the leaks repaired last fall have shown any sign of running as yet.

Fourth Division—Laying an 80-foot 12-inch sewer at Hasbrouck's place, Dobb's Ferry; building retaining-wall near Methodist Church, Dobb's Ferry, with all the necessary excavation and filling for same; building fences at Hasbrouck's place, Dobb's Ferry, at Trettar's place, Irvington, at Dr. Blood's place, Irvington; repairing fences, pointing culverts, cleaning and repairing crosswalks, cleaning Aqueduct, grounds, cleaning culverts, drains and gutters and cutting grass.

Fifth Division—Building, repairing and painting fences; hauling gravel; filling, grading and paving; seeding down banks with hay seed and clover; sodding at South Yonkers; cleaning gutters, drains and crosswalks and cutting grass.

Sixth Division—Building and repairing fence; setting fence-posts; building sheds for storing cement and lumber; cutting grass; cleaning drains, culverts and crosswalks.

Seventh Division—Cleaning and repairing all the drains, culverts and sewers; grading walk of Aqueduct from One Hundred and Fifty-eighth to One Hundred and Sixty-fifth street an average of 10 inches of good dry dirt, requiring about 245 cubic yards; rebuilding dry wall on east side of Aqueduct; rebuilding fences on both sides of line to One Hundred and Seventy-first street, requiring 138 fence rails, 58 posts and sixty bottom boards; from One Hundred and Sixtieth to One Hundred and Sixty-fifth street the old fence has been replaced with a barbed wire fence; building a wire fence on the three exposed viaducts south of the steps leading to the reservoirs as a matter of safety to prevent accidents; using some 5 coils of barbed wire and 73 anchors and 120 stakes; building guard-rails around reservoir banks; cleaning basin of leaves, scum, etc.; painting iron railing around reservoir; spreading limestone screenings on roadways around engine-house and reservoirs; cutting grass; keeping paths clean and in good order, also the tower and steps; oiling and keeping in working order the screens in the gate-houses; hoisting coal when required.

Eighth Division—Cleaning and repairing Central Park and Forty-second street reservoirs, gate-houses, chambers, etc.; cleaning and repairing and maintenance of High Service Works, Ninth and Tenth avenues gate-houses and grounds. The work of removing both gate-houses on Tenth avenue, at One Hundred and Thirty-fourth and One Hundred and Forty-second street, is now completed, and water is now passing through the new gate-house at One Hundred and Thirty-fifth street. Replacing new beams and putting down new floors in engine-house at Ninety-eighth street; painting walls in boiler-room at Ninety-eighth street; painting 800 feet of picket fence on Old Reservoir; doing odd jobs of mason work, cutting grass and patrolling reservoirs and pipe lines.

LAYING CROTON PIPES.

Size.	Pipe Laid.	Linear Feet.
48-inch	4,100
12 "	6,486
6 "	18,344
Total	28,930

Size.	Stop-cocks Set.	Number.
12-inch	8
6 "	49
Total	57

Pattern.	Hydrants Placed.	Number.
"A" hydrants.	43
Double nozzle "A" hydrants.	69
Richardson hydrants.	8
Coffin hydrants	2
Total	122

One contract for furnishing stop-cocks, hydrants, etc., and one contract for laying water-pipes have been entered into.

REPLACING WATER-MAINS.

A gang of men have been employed during the quarter relaying pipes in the Twenty-third and Twenty-fourth Wards where the grades have been changed, and replacing corroded pipes, service pipes, etc., between Eleventh avenue and Hudson river, and Sixteenth and Thirty-seventh streets.

ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

The work of placing the superstructure has been carried on and three-fourths of same is now in place. Excavation for foundations for wall and steps west of west abutment is now being prosecuted, and material for pavements are now being delivered and laid.

CHANGING GATE-HOUSES AT ONE HUNDRED AND THIRTY-FIFTH STREET.

The Old Aqueduct, at One Hundred and Thirty-fifth street, has been connected with the New Aqueduct and new gate-house at One Hundred and Thirty-fifth street and Convent avenue, and the water brought through the Old Aqueduct is now passing through the new gate-house.

The gate-house on Tenth avenue, at One Hundred and Thirty-fourth street, and the waste gate-house on Tenth avenue, at One Hundred and Forty-second street, have been removed.

NEW HIGH SERVICE WORKS.

Under chapter 38 of the Laws of 1892, plans, specifications and estimates have been made and submitted to the Board of Estimate and Apportionment for foundations, roads, etc., of the new high service works, for pumping-engines and boilers, for stand, waste and other pipes, for engine and boiler house and for mains to connect same with reservoir and tower at High Bridge.

TAPS.

Number of taps placed during the quarter.	989
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METERS.

Number of meters placed during the quarter.	873
Number of meters in use March 31, 1892.	24,870
Total number of meters in use June 30, 1892.	25,743

WASTE AND USE OF WATER.

The supply to the city is at present—	Gallons.
Through New Aqueduct.	123,000,000
Through Old Aqueduct.	41,000,000
Through Bronx River Conduit.	8,000,000
Total daily supply.	172,000,000

Since the warm weather the daily use has increased about 5,000,000 gallons per day. The pumping machinery is now running to its full capacity and is not able to give the necessary pressure for a full supply to houses on the higher levels, and as it will be nearly three years before the new pumping machinery is completed and the necessary mains laid, a portion of those buildings now supplied on low grounds with high service water will have to be supplied from low service in order to supply the large number of buildings now being built on higher ground. The supply from the Bronx river will also be restricted on account of the small amount of stored water available in this water-shed, and the inhabitants of the Twenty-third and Twenty-fourth Wards will have to economize in the use of water or the parties on the higher grounds will only have a supply in their basements.

Respectfully submitted,

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

Document "E."
REPORT OF THE WATER PURVEYOR.DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, No. 31 CHAMBERS STREET, ROOM 1,
NEW YORK, July 1, 1892.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

SIR—I have the honor of submitting the following report of the principal transactions of the Bureau of Water Purveyor during the quarter ending June 30, 1892:

RECEIPTS.

For permits for the construction of vaults.....	\$39,278 85
For labor and materials furnished.....	268 14
Total.....	\$39,546 99

DISBURSEMENTS.

353 vouchers, amounting in the aggregate to \$347,829.65, were transmitted and charged to the following accounts:	
Repairs and Renewal of Pavements and Regrading, 1890.....	\$1,549 47
Repairs and Renewal of Pavements and Regrading, 1891.....	2,807 32
Repairs and Renewal of Pavements and Regrading, 1892.....	67,494 66
Repairs and Renewal of Pavements and Regrading—Salaries, 1892.....	4,278 50
Repaving Streets and Avenues, 1890.....	1,670 66
Repaving Streets and Avenues, 1891.....	7,258 48
Repaving Streets and Avenues, 1892.....	44,575 38
Repaving Streets and Avenues—Salaries, 1892.....	2,871 25
Repaving—Chapter 346, Laws of 1889—1889.....	10 00
Repaving—Chapter 346, Laws of 1889—1891.....	50,991 59
Repaving—Chapter 35, Laws of 1892—1892.....	5,011 21
Salaries of Engineers, Inspectors, etc., on Repaving, under Chapter 346, Laws of 1889.....	4,178 00
Repairing and Renewal of Pipes, Stop-cocks, etc., 1891.....	29,443 94
Public Drinking-hydrants.....	536 75
Public Drinking-hydrants—Salaries.....	300 00
Wells and Pumps—Repairing and Cleaning.....	13 55
Street Improvement Fund.....	110,104 58
Restoring and Repaving—Special Fund—Department of Public Works.....	14,724 31
Contingencies—Department of Public Works.....	10 00
Total.....	\$347,829 65

PERMITS ISSUED.

91 for the construction of vaults.
71 for repairs to vaults.
177 for the erection of guy-posts.
252 for building fires on the streets for roofing purposes, etc.
30 for repairs to pavements at expense of property-owners.
To Patrick Collins—To lay a crosswalk across Murray street, in front of No. 9.
To David H. King, Jr.—To pave with asphalt, at his own expense, One Hundred and Thirty-eighth and One Hundred and Thirty-ninth streets, from Seventh to Eighth avenue.
To the North American Pyrogranite Company—To pave with pyrogranite-blocks, at their own expense, the roadway of Ninth avenue, from Thirteenth to Fourteenth street.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The force employed in making repairs to street pavements averaged as follows:

April.....	68	mechanics,	70	laborers,	12	horses and carts,	1	team.
May.....	203	"	213	"	68	"	4	"
June.....	231	"	249	"	78	"	4	"

83,724 square yards of pavement were taken up and relaid by this force. Under special contract the old pavement on Fifth avenue, between Thirty-second and Thirty-third streets, was taken up and the space repaved with granite-blocks furnished by the Department of Public Works. The area so repaved amounted to 927 square yards.
Under orders, amounting in each instance to less than \$1,000, 135 square yards of asphalt pavement were repaired by the various asphalt paving companies, making a total of 84,786 square yards of pavement repaired under this appropriation during the quarter.

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

The average force employed was as follows:

In April.....	37	mechanics,	94	laborers,	16	horses and carts.
In May.....	37	"	95	"	16	"
In June.....	37	"	95	"	16	"

The work performed by this force consisted as follows:
222 old fire-hydrants were taken out and new ones put in place.
669 fire-hydrants were repaired.
684 defects in Croton water mains, pipes, stop-cocks, etc., were repaired.
1,048 square yards of pavement were repaired, including 55 square yards of asphalt renewed where opened in repairing fire-hydrants, water-mains, etc.

PUBLIC DRINKING-HYDRANTS.

55 public drinking-hydrants were repaired.
2 new public drinking-hydrants were erected, as follows:
Northwest corner of Delancey and Goerck streets.
In front of No. 56 Ninth avenue.

CONSTRUCTION OF NEW PAVEMENTS.

Contracts for paving and repaving many streets have been awarded this year, as will be shown by the following list. The paving season opened early and everything looked favorable towards the accomplishment of a great deal of work, but owing to a strike on the part of the granite pavers in the beginning of May but few contracts of this kind have been completed. The contracts which have been awarded in 1892 are the following:

REPAVING STREETS AND AVENUES.

STREET.	FROM	SQUARE YARDS.	ESTIMATED COST.
Asphalt.			
Fifty-fifth street.....	Madison to Sixth avenue.....	4,675	\$17,028 25
Eldridge street.....	Division to Houston street..	9,450	45,768 00
Ludlow street.....	“.....	8,300	40,237 00
Houston street.....	Eldridge to Ludlow street.....	2,410	12,060 90
Fifth avenue.....	At intersection of Eighth street.....		
Fifth street.....	Avenue B to C.....	2,300	8,797 00
Fifth avenue.....	{ Circle at One Hundred and Tenth to One Hundred and Twentieth street.....	16,550	62,624 00
One Hundred and Twentieth street.....	Fifth to Lenox avenue.....		
One Hundred and Twenty-third street..	Mount Morris to Lenox avenue.....		
Granite.			
Eighth avenue.....	Hudson to Thirteenth street.....	5,700	22,682 00
Third street.....	Broadway to Sixth avenue.....	6,550	24,966 50
Lispenard street.....	Broadway to West Broadway.....	7,610	26,571 15
Park place.....	Broadway to Greenwich street.....		
Houston street.....	{ Bowery to Eldridge and from Ludlow to Lewis street.....	15,000	56,840 00
Total.....	.....	78,545 00	\$317,574 80

REPAVING (CHAPTER 35, LAWS 1892).

STREET.	FROM	SQUARE YARDS.	ESTIMATED COST.
<i>Asphalt.</i>			
One Hundred and Twenty-third street...	Seventh to Lenox avenue.....	2,640	\$3,949 60
Second avenue.....	Houston to Twenty-second street.....	29,320	124,696 30
Twenty-second street.....	Second to Third avenue.....		
Divison street.....	Catharine to Pitt street.....	13,830	56,322 10
Cherry street.....	Roosevelt to Catharine street.....		
Broome street.....	Bowery to Lewis street.....	12,500	48,950 00
Liberty street.....	Nassau street to 210 feet west.....	6,975	26,396 50
Fifth avenue.....	Fourth street to Waverley place.....		
Twentieth and Twenty-first streets.....	Third to Fourth avenue.....	11,900	48,896 00
Rivington street.....	Bowery to Cannon street.....		
Tenth street.....	Second avenue to Avenue A.....	10,120	38,295 60
Thirty-seventh street.....	First to Third avenue.....		
Thirty-eighth street.....	Park to Lexington avenue.....	17,710	69,943 10
Chrystie street.....	Division to Grand street.....		
Forsyth street.....	“.....	11,725	45,386 50
Attorney street.....	Broome to Houston street.....		
Willett street.....	“.....	8,385	30,349 65
Spring street.....	Hudson to Clark street.....		
Dominick street.....	“.....	21,200	73,452 00
Second street.....	Bowery to Avenue A.....		
<i>Granite.</i>			
Fourth avenue.....	Bowery to Thirty-second street.....	51,200	182,427 00
Fulton street.....	Broadway to Pearl street.....	9,535	34,049 65
Duane street.....	Washington to West street.....		
Reade street.....	Centre to Elm Street.....	8,385	30,349 65
Canal street.....	Washington to Greenwich street.....		
Beaver street.....	Whitehall to Pearl street.....	6,850	29,506 60
Cortlandt street.....	Broadway to Greenwich street.....		
Liberty street.....	“.....	21,200	73,452 00
Church street.....	Vesey to Fulton street.....		
Forty-second street.....	Third to Eighth avenue.....	6,850	29,506 60
Fourteenth street.....	Third to Fourth avenue.....		
Broadway.....	Thirty-second to Thirty-third street.....	213,890	\$818,620 60
Total.....	.....	213,890	\$818,620 60

ASSESSMENT PAVING—(CHAPTER 449, LAWS OF 1889).

Granite.

STREET.	FROM	SQUARE YARDS.	ESTIMATED COST.
Ninth street.....	Avenue D to East river.....	1,527	\$5,663 31

STREET IMPROVEMENT FUND.

Granite.

STREET.	FROM	SQUARE YARDS.	ESTIMATED COST.
One Hundred and Eighteenth street.....	Madison to Park avenue.....	1,370	\$3,409 00
Ninety-first street.....	First to Second avenue.....	2,230	5,310 00
One Hundred and Thirty-first street.....	Twelfth avenue to Boulevard.....	2,640	6,057 50
One Hundred and Thirty-third street.....	Broadway to Amsterdam avenue.....	2,019	4,661 38
Total.....		8,259	\$19,437 88

Summary of Paving Contracts Awarded in 1892.

	GRANITE.		ASPHALT.	
	Square Yards.	Estimated Cost.	Square Yards.	Estimated Cost.
Repaving Streets and Avenues.....	34,860	\$131,059 65	43,685	\$186,515 15
Repaving—Chapter 35, Laws 1892.....	97,170	349,784 90	116,720	468,835 70
Chapter 449, Laws 1889.....	1,527	5,663 31	.....	.....
Street Improvement Fund.....	8,259	19,437 88	.....	.....
Total.....	141,816	\$505,945 74	160,405	655,350 85

Following is a list of paving and repaving contracts completed during the quarter:

REPAVING STREETS AND AVENUES.

Asphalt.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Fifty-fifth street.....	Madison to Sixth avenue.....	4,657.4	1,419

REPAVING—(CHAPTER 35, LAWS OF 1892).

Asphalt.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Twenty-third street.....	Seventh to Lenox avenue.....	2,634.5	805

ASSESSMENT PAVING—(CHAPTER 449, LAWS OF 1889).

Granite.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Fifty-eighth street.....	A line about 360 feet west of Eleventh avenue } to Hudson river.....	1,466.7	440.0

STREET IMPROVEMENT FUND.

Granite.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Fifty-eighth street.....	Eleventh avenue to a line about 360 feet west...	1,238.0	380.0
One Hundred and Fourth street.....	First avenue to East river.....	2,970.0	853.0
One Hundred and First street.....	First to Second avenue.....	2,232.0	666.0
Ninetieth street.....	".....	2,207.0	666.5
One Hundred and Third street.....	First avenue to East river.....	2,244.0	654.0
One Hundred and Nineteenth street.....	Seventh to Lenox avenue.....	2,715.0	814.6
One Hundred and Twenty-second street.....	Avenue A to Harlem river.....	787.0	245.0
Ninety-eighth street.....	Amsterdam avenue to Boulevard.....	1,181.0	355.0
One Hundred and Eighteenth street.....	Madison to Park avenue.....	1,365.0	410.6
One Hundred and Seventeenth street.....	Madison to Fifth avenue.....	1,485.0	445.0
Bradhurst avenue.....	One Hundred and Forty-second to One Hun- } dred and Forty-fifth street.....	3,115.0	725.3
Edgecombe avenue.....	One Hundred and Forty-first to One Hun- } dred and Forty-fifth street.....	4,853.0	1,000.0
Total.....		26,392.0	7,225.0

Asphalt.

One Hundred and Fourteenth street.....	Manhattan to Columbus avenue.....	228.0	76.2
One Hundred and Twenty-second street.....	".....	1,220.0	375.0
Edgecombe avenue.....	One Hundred and Thirty-eighth to One Hun- } dred and Forty-first.....	3,422.0	803.0
One Hundred and Seventeenth street.....	Eighth to Columbus avenue.....	2,524.0	703.8
Total.....		7,424.0	1,952.0

Summary of Paving Work Completed During the Quarter.

	GRANITE.		ASPHALT.	
	Square Yards.	Lineal Feet.	Square Yards.	Lineal Feet.
Repaving streets and avenues.....	.....	.....	4,657.4	1,419.0
Repaving, chapter 35, Laws of 1892.....	.....	.....	2,634.5	805.0
Assessment work, chapter 345, Laws 1889.....	1,466.7	440.0	.....	.....
Assessment work, streets paved for the first time.....	26,392.0	7,225.0	7,424.0	1,952.0
Total.....	27,858.7	7,665.0	14,715.9	4,176.0

Recapitulation.

	SQUARE YARDS.	LINEAL FEET.
Granite.....	27,858.7	7,665.0
Asphalt.....	14,715.9	4,176.0
Total.....	42,574.6	11,841.0

Length in miles, 2.24.

STREET OPENINGS.

The following is a summary of work performed under the supervision of the General Inspector of Street Openings:

4,471 openings were made to repair all mains, except Croton water-mains, and to make connections and repairs for gas, steam, water, sewer, electric-light and subway service.

670 notices were sent to corporations and individuals to repair defective places in the pavement where such openings were made.

547 bad places in the pavement were repaired in compliance with such notices.

10.40 miles of gas-mains were laid.

11.76 miles of trenches were opened for subways and other electrical appliances.

The following table shows the area and mileage of the different kinds of pavement in New York City, south of the Harlem river, on the 30th day of June, 1892:

KIND OF PAVEMENT.	SQUARE YARDS.	MILES.
Specification granite.....	2,813,171.07	129.99
Square granite.....	670,272.40	25.72
Specification trap.....	1,247,778.03	67.45
Belgian.....	2,349,465.57	95.89
Cobble.....	27,793.74	1.05
Asphalt.....	598,681.46	28.56
Wood.....	516.00	.03
Macadam.....	807,339.20	22.10
Total.....	8,515,016.37	370.79

Respectfully,

WM. H. BURKE, Water Purveyor.

Document "F."

REPORT OF ENGINEER IN CHARGE OF SEWERS.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS,
No. 31 CHAMBERS STREET, ROOM 9,
NEW YORK, July 1, 1892.

Hon. THOMAS F. GILROY, 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, 1892.

4,271 linear feet of new sewers and 3 receiving-basins connected therewith have been built, making the present total length of the sewerage of the City, 2,354,355 linear feet (445⁸/₁₀₀ miles), with 5,325 receiving-basins, which number includes 6 built under special contract as hereafter stated.

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

12 sewer and 6 basin contracts have been completed, viz.:

Sewer in Seventy-second street, extending about 615 feet east of Avenue A.

Sewer in One Hundred and First street, between Third and Park avenues.

Sewer in One Hundred and Sixth street, between Central Park, West, and Manhattan avenue.

Sewer in One Hundred and Fifteenth street, between Riverside avenue and Boulevard.

Sewer in One Hundred and Fifteenth street, between Harlem river and Pleasant avenue.

Sewer in One Hundred and Sixteenth street, between Harlem river and Pleasant avenue.

Sewer in One Hundred and Twenty-first street, between Harlem river and Pleasant avenue.

Sewer in One Hundred and Eighty-fifth street, between Amsterdam and Audubon avenues.

Sewer in First avenue, between Forty-third and Forty-fourth streets.

Sewer in First avenue, between Eighty-ninth and Ninetieth streets.

Alteration and improvement to sewer in Thirty-fourth street, between Eleventh and Twelfth avenues, etc.

Repairs to sewer in Rivington street, between Goerck and Columbia streets.

Receiving-basin, southeast corner of One Hundred and Fifty-third street and Eighth avenue.

Receiving-basin, northeast corner of One Hundred and Forty-third street and Eighth avenue.

Receiving-basin, northwest corner of One Hundred and Forty-first street and Edgecombe avenue.

Receiving-basin, northwest corner of Twenty-seventh street and Eleventh avenue.

Receiving-basin, west side of Edgecombe avenue, opposite One Hundred and Forty-second street.

Alteration and improvement to receiving-basin at intersection of One Hundred and Twenty-seventh and Lawrence streets.

There are now in progress 26 contracts for new sewers and 5 contracts for new basins.

1,553 receiving-basins and 63,274 linear feet of sewer have been cleaned.

Very 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 30, 1892.

Credit to General Fund—

Amount received for 649 permits for sewer connections..... \$8,719 66

Engineers' Fees—

Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund..... \$4,295 54

Sewers—Repairing and Cleaning—

Balance on hand March 31, 1892..... \$91,654 54

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Laborers, etc..... \$22,920 50

Cleaning..... 5,684 04

Materials and sundries..... 2,775 53

Balance, June 30, 1892..... 60,274 47

91,654 54

Sewers—Repairing and Cleaning, 1891—

Balance on hand, March 31, 1892..... \$7,998 91

Vouchers transmitted to the Commissioner of Public Works—

Sundries..... \$5,191 94

Balance, June 30, 1892..... 2,806 97

7,998 91

Sewers—Repairing and Cleaning—Salaries—

Balance on hand, March 31, 1892..... \$7,590 02

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Inspectors, etc..... \$2,469 98

Balance, June 30, 1892..... 5,120 04

7,590 02

Sewerage System—Salaries—

Balance on hand, March 31, 1892..... \$6,300 00

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Engineers, etc..... \$2,100 00

Balance, June 30, 1892..... 4,200 00

6,300 00

Boring Examinations for Grading, etc.—

Balance on hand, March 31, 1892..... \$4,255 00

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Axeman, etc..... \$891 00

Balance, June 30, 1892..... 3,364 00

4,255 00

Restoring and Repaving—Special Fund—

Amount received for permits for street openings..... \$14,523 75

Street Improvement Fund—

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Engineers, etc..... \$5,209 98

Pay-roll of Inspectors, etc..... 11,583 60

On contracts..... 94,364 18

\$111,247 76

Work done by Mechanics and Laborers—

372 receiving-basins relieved.

1,553 receiving-basins and culverts cleaned.

23,434 linear feet of sewer cleaned.

189,452 linear feet of sewer examined.

50 linear feet of brick sewer rebuilt.

62 linear feet of brick sewer repaired.

27 linear feet of brick culvert repaired.

64 linear feet of new pipe culvert laid.

18 linear feet of new pipe sewer laid.

15 linear feet of spur pipe laid.

16 linear feet of new curb set.

9 steam pipes plugged.

115 manhole heads reset.

7 basin heads reset.

52 basins repaired.

10 manholes repaired.

38 new manhole heads and covers put on.

4 new basin heads and covers put on.

37 new basin covers put on.

62 new manhole covers put on.

814 cubic feet of brickwork built.

135 square feet of flagging relaid.

380 square yards of pavement relaid.

2,454 cubic feet of earth excavated and refilled.

23 cart-loads of earth filling.

5,408 cart-loads of dirt removed.

Statement Showing the Amount of Work Done on Uncompleted Contracts for the Quarter ending June 30, 1892.

DATE.	NATURE AND LOCATION OF WORK.	ESTIMATED COST.	AMOUNT OF WORK DONE.	DAYS.			REMARKS.
				Allowed.	Consumed.	Remaining.	
1891. May 25	Sewers in South street, between Market Slip and Montgomery street, connecting with outlet built by the Department of Docks through Pier (new) 36, E. R., etc.	\$36,122 00	\$27,566 00	250	222	28	
Aug. 3	Alteration and improvement to sewers in Eighteenth street, between East river and Avenue A, connecting with outlet sewer to be built by the Department of Docks; new sewer in Avenue C, between Sixteenth and Eighteenth streets, etc.	27,547 50	22,815 00	170	122	48	
Dec. 4	Alteration and improvement to sewer in Eighteenth street, between North river and Fifth avenue, connecting with outlet sewer built by the Department of Docks.	17,363 50	16,284 00	125	105	20	
1892. Feb. 1	Sewer in South street, between Broad and Wall streets, with outlet through Pier (new) 6, East river, and connection with old sewer and overflow at Old Slip.	27,456 50	14,448 00	250	92	158	
Apr. 23	Sewer in West Eleventh street, between North river and West street, with outlet through Pier at West Eleventh street, North river, and sewer in Thirteenth avenue, between West Eleventh and Bethune streets, etc.	16,142 00	3,255 00	200	63	137	
" 23	Sewers in Jane and West Twelfth streets, between Thirteenth avenue and Washington street, and in Bethune street, between Thirteenth avenue and West street; new sewer in Thirteenth avenue, between Bethune and Horatio streets.	32,890 00	6,933 00	300	52	248	
" 25	Sewer in Little West Twelfth street and Thirteenth avenue, and in Bloomfield street, between Thirteenth avenue and West street; new sewer in Thirteenth avenue, between Little West Twelfth and Bloomfield streets, etc.	10,921 00	3,300 00	125	37	88	
" 25	Alteration and improvement to sewers in Gansevoort and Horatio streets, between Thirteenth avenue and West street, and in Thirteenth avenue, between Gansevoort and Bloomfield streets; new sewer in Thirteenth avenue, between Gansevoort and Horatio streets.	23,986 00	2,400 00	250	35	215	
May 2	Alteration and improvement to sewer in Twenty-fourth street, between East river and First avenue; new sewer in Avenue A, between Twenty-fourth and Twenty-fifth streets; alteration and improvement to sewer in Twenty-fifth street, between Avenue A and First avenue.	13,745 00	3,272 00	100	35	65	
1890. June 9	Sewer in One Hundred and Seventieth street, between Tenth avenue and Kingsbridge road, and in Kingsbridge road, east side, between One Hundred and Seventieth and One Hundred and Seventy-third streets.	17,686 50	17,248 50	450	500	....	Overtime.
1891. Sept. 24	Sewer in One Hundred and Twenty-second street, between Boulevard and Claremont avenue, and in Claremont avenue, between One Hundred and Nineteenth and One Hundred and Twenty-second streets.	9,577 00	10,373 00	250	230	20	
Dec. 24	Sewer in One Hundred and Sixty-second street, between Amsterdam avenue and Jumel Terrace, and in Jumel Terrace, between One Hundred and Sixtieth and One Hundred and Sixty-second streets.	10,237 66	4,151 40	230	119	111	
1892. Feb. 8	Sewer in One Hundred and Forty-eighth street, between Boulevard and Amsterdam avenue, and in Amsterdam avenue, west side, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets.	6,648 50	2,926 40	150	100	50	
Apr. 14	Sewer in One Hundred and Eighty-first street, between Amsterdam and Eleventh avenues, with curves into Audubon and Eleventh avenues.	10,382 50	1,405 50	250	56	194	
1891. Apr. 24	Sewer in Edgecombe avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets.	41,315 00	12,550 00	800	479	321	
Nov. 10	Sewer in First avenue, between Forty-second and Forty-third streets, connecting with present sewer east of First avenue.	5,037 00	2,190 00	140	144	....	{ Delayed by railroad company and other causes.
1892. Feb. 9	Alteration and improvement to sewer in Second avenue, between Seventy-first and Seventy-second streets, and in Seventy-first street, between Second and Third avenues.	6,066 00	2,200 00	100	96	4	
" 15	Sewer in Avenue B, west side, between Eighty-eighth and Eighty-ninth streets, and in Eighty-eighth street, between Avenue B and Summit west.	3,741 95	3,423 00	100	82	....	{ Work completed, but not accepted.
1891. Dec. 2	Alteration and improvement to sewer in Ninety-fifth street, between First and Third avenues; in Second avenue, east and west sides, between Ninety-fifth and Ninety-sixth streets, and curve in Second avenue, south of Ninety-fifth street.	22,025 00	6,400 00	200	87	113	
1892. Jan. 29	Sewer in Park avenue, east side, between Ninety-fifth and Ninety-sixth streets, connecting with present sewer in Park avenue, east side, north of Ninety-sixth street.	3,706 00	3,600 00	80	104	....	Overtime.
Mar. 29	Sewer in Park avenue, west side, between Ninety-fifth and Ninety-ninth streets, and in Ninety-eighth and Ninety-ninth streets, between Park and Madison avenues.	13,373 00	600 00	300	55	245	
1891. Dec. 16	Sewer in One Hundredth street, between Third and Park avenues, connecting with present sewer in Third avenue, west side, north of One Hundredth street.	4,154 00	2,300 00	100	130	....	Overtime.
Nov. 20	Sewer in One Hundred and Seventeenth street, between Fifth and Madison avenues, etc.	6,022 50	5,549 00	140	131	....	{ Completed, but not accepted.
1892. May 18	Sewer in Sixty-eighth street, between Avenue A and East river.	4,785 00	300 00	130	28	102	
" 16	Sewer in Ninety-first street, between Harlem river and Avenue A.	971 35	918 00	30	28	2	
" 17	Sewer in Ninety-eighth street, between Third and Park avenues.	7,822 50	....	200	27	173	
" 4	Basin, northwest corner of Eighty-first street and Lexington avenue.	621 00	600 00	25	29	....	{ Completed, but not accepted.

DATE.	NATURE AND LOCATION OF WORK.	ESTIMATED COST.	AMOUNT OF WORK DONE.	DAYS.			REMARKS.
				Allowed.	Consumed.	Remaining.	
1892. May 25	Basins, southwest corner of One Hundred and Seventeenth street and southwest and southeast corners of One Hundred and Eighteenth street and Fifth avenue.	\$845 00	\$825 00	9	12	....	{ Completed, but not accepted.
June 1	Basins, southwest and southeast corners of One Hundred and Fourteenth street and southeast corner of One Hundred and Sixteenth street and Fifth avenue.	699 50	675 00	15	15½	....	{ Completed, but not accepted.
" 1	Basins, southeast corners of One Hundred and Eleventh, One Hundred and Twelfth and One Hundred and Thirteenth streets and Fifth avenue.	675 50	650 00	15	15	....	{ Practically completed.
" 1	Basins, southwest corners of One Hundred and Eleventh, One Hundred and Twelfth and One Hundred and Thirteenth streets and Fifth avenue.	675 50	650 00	15	15	....	{ Practically completed.

Document "G."

REPORT OF THE SUPERINTENDENT OF STREET IMPROVEMENTS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREET IMPROVEMENTS, ROOM 5, NO. 31 CHAMBERS STREET,
NEW YORK, July 1, 1892.

Hon. THOS. F. GILROY, Commissioner of Public Works:

SIR—In compliance with your instructions, I have the honor to herewith submit my report of the transactions of the Bureau of Street Improvements for the quarter ending June 30, 1892.

Respectfully submitted,

W. M. DEAN, Superintendent of Street Improvements.

STATEMENT OF THE AMOUNT OF WORK DONE DURING THE QUARTER ENDING JUNE 30, 1892.

Earth excavated.....	cubic yards.	5,532
Rock excavated.....	"	24,957
Filling furnished.....	"	38,978
Curbstones set.....	lineal feet.	8,327
Curbstones reset.....	"	5,046
Flagging laid.....	square feet.	125,891
Flagging relaid.....	"	26,460
Culvert built.....	lineal feet.	155
Picket fence built.....	"	1,296

AMOUNT OF VOUCHERS DRAWN.

Street Improvement Fund.....	\$86,170 50
Street Improvements—For Surveying, etc.....	637 00
Flagging Sidewalks, etc., in front of City Property.....	1,332 00
Contingencies—Department of Public Works.....	287 55
Boring Examinations for Sewer and Grading Contracts.....	2,000 00
Total.....	\$90,427 14

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting, etc.....	\$3,000 00
Amount of vouchers drawn during first quarter.....	\$585 00
Amount of vouchers drawn during second quarter.....	637 00
Outstanding liabilities.....	1,332 00
Balance (estimated).....	481 00
	3,000 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$2,000 00
Amount of vouchers drawn during first quarter.....	\$17 50
Amount of vouchers drawn during second quarter.....	1,332 00
Balance.....	650 50
	2,000 00

Contingencies—Department of Public Works.....	\$287 55
Boring Examinations for Sewer and Grading Contracts.....	\$2,000 00

WORK COMPLETED DURING THE QUARTER.

Regulating, Grading, Curbing and Flagging—	
One Hundred and Eighteenth street, from Morningside to Amsterdam avenue.....	\$11,105 46
" F " street, from Dyckman street to Bolton road.....	8,657 71
Amsterdam avenue, from One Hundred and Ninety-fourth street to Fort George avenue.....	1,621 93
One Hundred and First street, from First avenue to East river.....	1,936 26
One Hundred and Thirty-eighth street, from Fifth to Lenox avenue.....	5,675 75
One Hundred and Sixth street, from Boulevard to Riverside Drive.....	21,397 74
	\$50,394 85
Curbing, Flagging, etc.—	
North side One Hundred and Second street, from Columbus to Amsterdam avenue.....	\$490 00
Madison avenue, from One Hundred and Thirty-first to One Hundred and Thirty-second street.....	636 47
South side One Hundred and Thirty-second street, from Lenox to Seventh avenue.....	371 16
North side Seventy-eighth street, from Second to Third avenue.....	956 23
Thirty-seventh street, from Eighth to Ninth avenue.....	115 23
One Hundred and Thirty-third street, from Lenox to Seventh avenue.....	459 03
Northwest corner Mount Morris avenue and One Hundred and Twentieth street.....	474 06
Fifth avenue, from One Hundred and Fourteenth to One Hundred and Fifteenth street.....	979 55
East side Avenue A, from Seventy-third to Seventy-fourth street, etc.....	4,615 79
Manhattan and St. Nicholas avenues, from One Hundred and Twenty-second to One Hundred and Twenty-third street.....	1,006 69
Forty-eighth street, from Tenth to Eleventh avenue.....	280 80
Nos. 100 and 110 to 116 West Fifty-seventh street.....	163 57
East side Madison avenue, from Ninety-third to One Hundredth street.....	2,082 86
Madison avenue, from One Hundred and Sixteenth to One Hundred and Twentieth street.....	2,195 67
Eighth avenue, from One Hundred and Thirty-seventh to One Hundred and Thirty-eighth street.....	299 85
North side One Hundred and Fifteenth street from Third to Lexington avenue.....	393 24

Curbing, Flagging, etc.—

Sixty-fourth street, from Central Park, West, to Boulevard, etc....	\$1,271 03
Northwest corner One Hundred and Fifth street and First avenue..	507 56
One Hundred and Sixteenth street, from Madison to Eighth avenue.	8,965 02
	\$26,353 81

Fencing Vacant Lots—

East side Park avenue, from Ninety-fifth to Ninety-sixth street....	\$124 18
East side Park avenue, from Ninety-sixth to Ninety-seventh street..	68 36
Ninety-fifth and Ninety-sixth streets, from Lexington to Park avenue.....	108 01
East side Park avenue, from One Hundred and First to One Hundred and Second street.....	16 75
Nos. 108 to 140 West One Hundred and Third street.....	47 19
Ninety-seventh street, from Lexington to Park avenue.....	274 26

Fencing Vacant Lots—

Nos. 204 and 206 East Ninety-fifth street.....	\$32 23
South side One Hundred and Forty-fifth street, from St. Nicholas to Edgecombe avenue.....	58 69
	\$729 67
Total.....	\$77,478 33

RECAPITULATION.

6 Contracts of Regulating, Grading, etc.....	\$50,394 85
19 Contracts of Curbing, Flagging, etc.....	26,353 81
8 Contracts of Fencing.....	729 67
Total.....	\$77,478 33

Statement Showing Works under Contract in Bureau of Street Improvements on the 30th day of June, 1892.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<i>Regulating, Grading, Curbing and Flagging.</i>									
Boulevard, One Hundred and Fifty-sixth to Inwood street.....	R. McLaughlin....	R. L. Waters.....	Leander Buck.....	600 days.	\$244,372 49	.....	.....	.....
Claremont avenue, One Hundred and Twenty-second to One Hundred and Twenty-seventh street.....	Benj. J. Carr, Jr....	Thomas Slator....	David Simmons....	200 "	17,368 88	\$14,915 00	\$4,474 50	\$10,440 50	
Dyckman street, Hudson river to Exterior street.....	William E. Dean....	R. L. Waters.....	R. V. Davis.....	450 "	128,165 57	22,870 00	6,861 00	16,009 00	
Convent avenue, One Hundred and Twenty-seventh to One Hundred and Thirty-fifth street.....	Thomas J. Dunn....	F. E. Towle.....	P. H. Sullivan.....	60 "	7,819 21	.....	.....	.....	Completed, but not yet accepted.
Avenue B, Eighty-sixth street to Harlem river.....	Rafael Wood.....	C. H. Haswell....	H. F. Liebenan, Jr.	15 "	4,507 20	.....	.....	.....	Completed, but not yet accepted.
Manhattan street, Twelfth avenue to Hudson river.....	George F. Doak....	R. L. Waters.....	Theo. Pratt.....	20 "	651 50	.....	.....	.....	Completed, but not yet accepted.
East side Park avenue, Ninety-sixth to One Hundred and Second street....	A. E. Moran.....	R. L. Waters.....	Charles M. Torpey.	9 "	1,566 98	.....	.....	.....	Completed, but not yet accepted.
West side St. Nicholas avenue, One Hundred and Seventeenth to One Hundred and Nineteenth street.....	Thomas J. Dunn....	A. P. Hartmann....	M. F. Byrnes.....	4 "	842 40	.....	.....	.....	Completed, but not yet accepted.
Seventh avenue, Thirty-sixth to Thirty-seventh street.....	Thomas J. Dunn....	M. A. Lacy.....	M. F. Byrnes.....	4 "	1,533 25	.....	.....	.....	Completed, but not yet accepted.
Columbus avenue, Sixty-fifth to Seventieth street.....	A. E. Moran.....	R. J. Dodge.....	Thomas P. Moore..	4 "	1,427 10	.....	.....	.....	Work not yet commenced.
East side Eighth avenue, One Hundred and Thirty-third to One Hundred and Thirty-fourth street.....	A. E. Moran.....	F. E. Towle.....	.....	3 "	439 70	.....	.....	.....	Work not yet commenced.
West side Eighth avenue, One Hundred and Eleventh to One Hundred and Twelfth street.....	A. E. Moran.....	M. A. Lacy.....	.....	4 "	556 50	.....	.....	.....	Work not yet commenced.
East side Madison avenue, south of One Hundred and Seventh street.....	Thomas J. Dunn....	F. Reinert.....	.....	1 "	185 36	.....	.....	.....	Work not yet commenced.
Thirty-fourth street, Tenth avenue to North river.....	Thomas J. Dunn....	A. P. Hartmann....	B. V. Frazer.....	15 "	5,951 56	.....	.....	.....	Completed, but not yet accepted.
Sixty-fifth street, Central Park, West, to Columbus avenue.....	Thomas J. Dunn....	J. A. Briggs.....	Theo. Pratt.....	2 "	2,159 00	.....	.....	.....	Work not yet commenced.
Northeast corner Ninety-third street and Lexington avenue.....	Thomas J. Dunn....	M. Cox.....	.....	2 "	183 90	.....	.....	.....	Work not yet commenced.
Eighty-eighth street, Central Park, West, to Riverside Drive.....	Thomas J. Dunn....	Thomas Slator....	B. V. Frazer.....	11 "	6,063 58	.....	.....	.....	Completed, but not yet accepted.
Southwest corner One Hundred and Seventeenth street and Second avenue, etc.....	Thomas J. Dunn....	M. Cox.....	M. F. Byrnes.....	2 "	406 20	.....	.....	.....	Completed, but not yet accepted.
One Hundred and Twenty-third street, Tenth avenue to Boulevard.....	M. Fortunato.....	F. E. Towle.....	Bernard Martin....	200 "	10,815 00	10,439 40	3,131 82	7,307 58	
One Hundred and Twenty-fourth street, Boulevard to Amsterdam avenue..	William J. Reilly..	F. E. Towle.....	Sylvester Bennett..	300 "	13,351 34	5,040 00	1,512 00	3,528 00	
Northeast corner One Hundred and Twenty-seventh street and Eighth avenue.....	Thomas J. Dunn....	M. A. Lacy.....	.....	2 "	454 10	.....	.....	.....	Work not yet commenced.
One Hundred and Twenty-seventh street, St. Nicholas avenue to Lawrence street.....	James Slattery....	G. A. Wheeler....	George Hornum....	50 "	3,905 35	.....	.....	.....	Completed, but not yet accepted.
One Hundred and Thirty-second street, Boulevard to Twelfth avenue.....	John J. Hopper....	G. A. Wheeler....	Isaac Smith.....	250 "	4,320 00	.....	.....	.....
South side One Hundred and Forty-first street, St. Nicholas to Convent avenue.....	Thomas J. Dunn....	R. L. Waters.....	B. V. Frazer.....	2 "	426 20	.....	.....	.....	Work not yet commenced.
One Hundred and Forty-first street, Seventh avenue to Harlem river.....	Charles V. Hough..	M. A. Lacy.....	J. H. McGraw.....	300 "	9,490 36	2,441 60	732 48	1,709 12	
One Hundred and Forty-fourth street, Boulevard to Twelfth avenue.....	John J. Hopper....	George A. Wheeler..	Dennis O'Connor..	125 "	7,396 00	.....	.....	.....
One Hundred and Forty-fifth street, Boulevard to Twelfth avenue.....	John J. Hopper....	Fred. Reinert.....	James H. Lowery..	150 "	7,589 96	.....	.....	.....
One Hundred and Forty-seventh street, Boulevard to 500 feet west.....	H. Van Zandt.....	R. J. Dodge.....	L. A. Russell, Jr....	110 "	4,595 00	.....	.....	.....
One Hundred and Forty-eighth street, St. Nicholas to Amsterdam avenue..	William G. Leeson..	A. P. Hartmann....	W. J. V. Hart.....	60 "	2,195 11	.....	.....	.....
One Hundred and Forty-eighth street, Boulevard to Twelfth avenue.....	M. Baird.....	F. E. Towle.....	F. G. Fay.....	200 "	13,883 30	.....	.....	.....
One Hundred and Forty-ninth street, Boulevard to Twelfth avenue.....	M. Baird.....	R. L. Waters.....	Thomas W. Gibbons	200 "	15,588 18	5,055 00	1,786 50	4,168 50	
One Hundred and Sixty-second street, Eleventh avenue to Kingsbridge road.	James Leeson.....	F. E. Towle.....	John Lawrence.....	100 "	11,143 40	3,400 00	1,020 00	2,380 00	
One Hundred and Sixty-fifth street, Eleventh avenue to Boulevard.....	George F. Doak....	R. L. Waters.....	James L. Brown....	200 "	23,010 35	22,020 00	6,606 00	15,414 00	
One Hundred and Sixty-ninth street, Amsterdam to Eleventh avenue.....	William G. Leeson..	George A. Wheeler..	P. H. Kedney.....	50 "	4,033 00	.....	.....	.....
One Hundred and Eighty-third street, Amsterdam avenue to Kingsbridge road.....	B. F. Coleman.....	R. L. Waters.....	John E. Wilson....	100 "	24,076 25	15,675 00	4,702 50	10,972 50	
Thirty-first, Thirty-second and Thirty-third streets, First avenue and East river.....	W. J. Ford.....	M. A. Lacy.....	D. H. Davis.....	10 "	2,652 45	.....	.....	.....
North side Thirty-fourth street, Eighth to Ninth avenue.....	Thomas J. Dunn....	S. S. Haight.....	.....	5 "	1,281 33	.....	.....	.....
McComb's Dam road, One Hundred and Forty-ninth to One Hundred and Fifty-fifth street.....	Thomas J. Reilly..	J. McL. Smith....	James Kearney....	250 "	26,571 80	3,105 00	931 50	2,173 50	
Hancock place, One Hundred and Twenty-fifth street, St. Nicholas and Convent avenues.....	A. E. Moran.....	R. J. Dodge.....	.....	3 "	518 50	.....	.....	.....	Work not yet commenced.
<i>Special Contracts.</i>									
East side Tenth avenue, Thirtieth to Thirty-first street.....	Thomas J. Dunn....	J. A. Briggs.....	.....	2 "	301 50	.....	.....	.....	Completed, but not yet accepted.
West side Seventh avenue, One Hundred and Thirtieth to One Hundred and Thirty-first street.....	P. Hardiman.....	R. J. Dodge.....	.....	2 "	247 00	.....	.....	.....	Completed, but not yet accepted.
East side First avenue, One Hundred and Fifth to One Hundred and Sixth street.....	Thomas J. Dunn....	J. A. Briggs.....	.....	2 "	402 50	.....	.....	.....	Completed, but not yet accepted.
North side Hancock place, St. Nicholas to Columbus avenue.....	P. Hardiman.....	Wm. H. Bostwick..	.....	2 "	119 70	.....	.....	.....	Work not yet commenced.
South side Seventy-eighth street, Amsterdam avenue to Boulevard.....	P. Hardiman.....	A. P. Hartmann....	.....	3 "	335 00	.....	.....	.....	Completed, but not yet accepted.
Ninety-fifth to Ninety-first street, First avenue to Avenue A.....	John A. Murphy....	W. H. Bostwick..	.....	6 "	243 16	.....	.....	.....	Work not yet commenced.
Nos. 341, 343 and 345 East One Hundred and Fifth street.....	P. Hardiman.....	George A. Wheeler..	.....	1 "	135 50	.....	.....	.....	Work completed, but not yet accepted.
One Hundred and Fifteenth street, Lenox to St. Nicholas avenue.....	Thomas J. Dunn....	F. E. Towle.....	.....	3 "	247 70	.....	.....	.....	Work completed, but not yet accepted.
One Hundred and Fifteenth street, Lenox to Fifth avenue.....	Thomas J. Dunn....	F. E. Towle.....	.....	3 "	329 70	.....	.....	.....	Work completed, but not yet accepted.
South side One Hundred and Forty-first street, Eighth to Edgecombe avenue	Thomas J. Dunn....	F. E. Towle.....	.....	2 "	188 44	.....	.....	.....	Work completed, but not yet accepted.
One Hundred and Forty-first street, Edgecombe to St. Nicholas avenue.....	Thomas J. Dunn....	F. E. Towle.....	.....	2 "	155 30	.....	.....	.....	Work completed, but not yet accepted.
<i>Retaining-wall.</i>									
Fifty-first street, east of Beekman place.....	M. Fortunato.....	H. Mesa.....	.....	150 "	6,664 75	6,451 50	1,935 45	4,516 05	Work suspended.
Totals..					\$622,033 64	\$112,312 50	\$33,693 75	\$78,618 75	

Document "H."

REPORT OF THE SUPERINTENDENT OF STREETS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, ROOM 12, NO. 31 CHAMBERS STREET,
NEW YORK, July 1, 1892.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

SIR—I transmit herewith report of work done and materials used by this Bureau during the quarter ending June 30, 1892.

Respectfully submitted,

JOHN J. RYAN, Superintendent of Streets.

The following is the amount of work done on Boulevards, Roads and Avenues, during the quarter ending June 30, 1892:

Macadam roadway resurfaced.....	8,422 square yards.
Macadam roadway repaired.....	25,667 "
Macadam roadway regulated and graded.....	319 "
Gravel roadway resurfaced.....	6,795 "
Gravel roadway repaired.....	264 "
Roadway covered with gravel screenings.....	124,922 "
Gutters repaired.....	222 "
Gutters repaved.....	10 "
Telford laid.....	45 "
Parkway of Western Boulevard graded, mould and bone dust spread and seed sown on.....	11,885 "

Curb reset.....	90 linear feet.
Gutters cleaned.....	25 miles.
Roadway cleaned.....	8 1/2 "
Roadway and gutters cleaned.....	8 "
Stone, stone screenings and earth hauled.....	185 truck-loads.
Gravel spread.....	1,924 "

In making the above named repairs there were used, of—

Broken stone.....	684 "
Stone screenings.....	407 "
Paving stones.....	6 "
Gravel.....	1,924 "
Telford.....	6 "
Mould.....	453 "
Bone dust.....	1,336 pounds.
Grass seed.....	48 bushels.
Loam.....	41 truck-loads.
Broken gneiss stone.....	4 "

4,567 truck-loads of surplus material were removed.

During the quarter the macadam and gravel roads were sprinkled every dry day to the full extent of the facilities for sprinkling at the disposition of this Bureau.

The following is the amount of work done and material used on roads, streets and avenues, unpaved, during the quarter ending June 30, 1892:

Roadway repaired and gutters cleaned.....	1 3/4 miles.
Flagging relaid.....	40 square feet.
Earth spread.....	1,357 truck-loads.
Mould spread.....	117 "
1,428 truck-loads of surplus material were removed.	

Washington Market.....	\$844	87
Catharine Country Market.....	41	00
Catharine Meat Market.....	19	75
Fulton Meat Market.....	314	87
Fulton Country Market.....	493	75
Essex Market.....	23	75
Centre Market.....	110	00
Clinton Market.....	227	87
Union Market.....	13	26
Tompkins Market.....	195	75
Jefferson Market.....	78	
First District Police Court.....	358	25
Second District Police Court.....	84	00
Third District Police Court.....	53	25
Fourth District Police Court.....	109	00
Fifth District Police Court.....	11	37
First District Civil Court.....	3	12
Second District Civil Court.....	8	38
Fourth District Civil Court.....	14	25
Fifth District Civil Court.....	30	00
Sixth District Civil Court.....	7	00
Eighth District Civil Court.....	9	25
Ninth District Civil Court.....	87	
Court of Special Sessions.....	54	62
Brown-stone (Court-room) Building.....	207	75
New Court-house.....	1,620	51
City Hall.....	482	99
Corporation Counsel's Office.....	24	75
Corporation Attorney's Office.....	33	00
Public Administrator's Office.....	8	50
Board of Assessors.....	7	87
Department of Public Works.....	302	13
Department of Taxes.....	1	75
CITY RECORD Bookbindery.....	6	25
Register's Office.....	93	75
County Jail.....	289	75
Pipe Yard, Rivington street.....	3	75
Pipe Yard, East Twenty-fourth street.....	10	38
Tool Shop, Mulberry street.....	4	25
Water Purveyor's Shop, West Thirtieth street.....	8	00
Water Purveyor's Shop, East Eighty-seventh street.....	5	13
Water Purveyor's Shop, East One Hundred and Twenty-fifth street.....	10	74
Water Purveyor's Shop, No. 3351 Third avenue.....	21	60
South Gate-house, Central Park.....	66	38
Engine-house, High Water Service, High Bridge.....	116	75
Engine-house, High Water Service, Ninety-eighth street.....	283	24
Clock-tower, Third District Court-house.....	342	25
New York City Civil Service Board.....	4	13
Bureau of Streets and Roads, West One Hundred and Nineteenth street.....	4	50
Corporation Yard, East Sixteenth street.....	4	00
Dog Pound, East One Hundred and Second street.....	4	50
Photometric Station, Grand street.....	9	63
Photometric Station, Seventy-ninth street.....	15	51
Chief Engineer, Croton Aqueduct, High Bridge.....	16	90
Seventh Regiment Armory.....	845	75
Eighth Regiment Armory.....	784	62
Ninth Regiment Armory.....	323	00
Twelfth Regiment Armory.....	463	00
Twenty-second Regiment Armory.....	886	75
Sixty-ninth Regiment Armory.....	217	25
Seventy-first Regiment Armory.....	247	87
Troop "A" Armory.....	117	38

First Battery Armory.....	\$112 50
Second Battery Armory.....	84 75
Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	136 64
Public Bath, Battery.....	5 12
Public Bath, foot of Duane street, North river.....	1 50
Public Bath, foot of Horatio street, North river.....	2 37
Public Bath, foot of Market street, East river.....	2 38
Public Bath, foot of Grand street, East river.....	1 50
Public Bath, foot of East Fifth street, East river.....	3 87
Public Bath, foot of East Eighteenth street, East river.....	3 38
Public Bath, foot of West Twenty-eighth street, North river.....	1 25
Public Bath, foot of West Fiftieth street, North river.....	4 62
Public Bath, foot of East Fifty-first street, East river.....	3 63
Public Bath, foot of East One Hundred and Twelfth street, East river.....	88
Lighting public markets, etc. (Pay-roll).....	789 00
Cleaning Photometric Station (Pay-roll).....	15 00
Gas examinations.....	467 00
Cartages.....	255 00
Rent of Photometric Station, Grand street.....	150 00
Rent of Photometric Station, Seventy-ninth street.....	90 00
New lamp-posts.....	5,041 37
New street-lamps.....	913 80
New Boulevard lamps.....	324 00
New cross-heads.....	432 00
New lamp-irons.....	501 00
New lamp-brackets.....	10 00
New street-signs.....	159 66
Lettering Boulevard globes.....	90 00
Supplies for Photometric Stations.....	60 00
Drawing materials.....	24 12
Repairing street-lamps, etc.....	81 25
Gas governors.....	100 00
Repairing metal street signs.....	75 00
Fitting up new lamps.....	1,124 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	448 00
Resetting and repairing lamp-posts.....	5,486 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	826 00
Lighting public gas-lamps.....	85,028 74
Lighting public gas-lamps, Twenty-third and Twenty-fourth Wards.....	36,887 22
Lighting public electric-lamps.....	41,069 50
Lighting public electric-lamps, Twenty-third and Twenty-fourth Wards.....	7,168 95
Lighting public naphtha-lamps.....	792 70
Lighting incandescent lamps.....	130 11
Total.....	\$199,906 37

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for Year 1892, Showing the Amounts Expended during the Quarter ending June 30, 1892, and the Amount Standing to the Credit of the Appropriation.

Amount of Appropriation for "Lamps and Gas and Electric Lighting".....	\$804,900 00
Amount of vouchers drawn to March 31.....	\$133,620 03
Amount of vouchers drawn during the quarter ending June 30.....	199,906 37

Total amount of vouchers drawn to June 30..... 333,526 40

Balance against which no vouchers have been drawn..... \$471,373 60

LIABILITIES.

Consolidated Gas Company, lighting public lamps, month of June.....	\$22,594 85
Equitable Gas-light Company, ".....	4,785 50
New York Mutual Gas-light Company, ".....	264 58
Standard Gas-light Company, ".....	3,037 57
Central Gas-light Company, ".....	4,745 67
Northern Gas-light Company, ".....	6,118 94
Yonkers Gas-light Company, ".....	1,658 09
New York and New Jersey Globe Gas-light Company, lighting public lamps, month of June.....	278 67
Brush Electric Illuminating Company, lighting public lamps, month of June.....	3,261 65
United States Illuminating Company, lighting public lamps, month of June.....	3,686 00
East River Electric-light Company, lighting public lamps, month of June.....	2,396 40
Mount Morris Electric-light Company, ".....	1,848 00
Harlem Lighting Company, ".....	2,336 20
North River Electric-light and Power Company, lighting public lamps, month of June.....	3,333 60
Edison Electric Illuminating Company, lighting dome of City Hall, April 1 to June 30.....	77 78
E. P. Gleason Manufacturing Company, 400 street-lamps.....	876 00
Wellington Manufacturing Company, repairing and relettering street signs.....	57 75
Mary Unger, lettering 250 globes.....	75 00
Birdsall's Express, cartage, month of June.....	182 00
Continental Iron Works, repairing gas-holder of Madison avenue bridge.....	550 00
	62,164 25

Balance available..... \$409,209 35

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for Year 1892, Showing the Amounts Expended during the Quarter ending June 30, 1892, with the Balance Standing to the Credit of the Appropriation.

Amount of Appropriation for "Lamps and Gas and Electric Lighting—Salaries," for 1892.....	\$6,500 00
Amount expended to March 31, 1892.....	\$1,624 95
Amount expended during the quarter ending June 30.....	1,493 23

Total amount expended to June 30, 1892..... 3,118 18

Balance available June 30, 1892 .. \$3,381 82

EXHIBIT "D."

Summary of the "Lamp Account," Showing the Number of New Lamps Lighted, Old Lamps Relighted and Lamps Discontinued by each Gas and Electric Light Company during the Quarter ending June 30, 1892.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted March 31, 1892.....	2,985		
Number of new lamps lighted during the quarter.....	4		
Number of old lamps relighted during the quarter.....	4		
		2,993	
Less lamps discontinued during the quarter.....	2		
Less lamps transferred to Equitable Gas-light Company.....	25		
		27	
Number of lamps lighted June 30, 1892.....			2,966

CONSOLIDATED GAS COMPANY, BRANCH 2.

Number of lamps lighted March 31, 1892.....	1,588		
Number of new lamps lighted during the quarter.....	11		
Number of old lamps relighted during the quarter.....	1		
		1,600	
Less lamps discontinued during the quarter.....	10		
Less lamps transferred to Equitable Gas-light Company.....	252		
		262	

Number of lamps lighted June 30, 1892..... 1,338

CONSOLIDATED GAS COMPANY, BRANCH 3.

Number of lamps lighted March 31, 1892.....	1,714		
Number of new lamps lighted during the quarter.....	20		
Number of old lamps relighted during the quarter.....	1		
		1,735	
Less lamps discontinued during the quarter.....	3		
Less lamps transferred to Equitable Gas-light Company.....	42		
Less lamps transferred to Standard Gas-light Company.....	200		
		245	

Number of lamps lighted June 30, 1892..... 1,490

CONSOLIDATED GAS COMPANY, BRANCH 4.

Number of lamps lighted March 31, 1892.....	3,251		
Number of new lamps lighted during the quarter.....	23		
Number of old lamps relighted during the quarter.....	6		
		3,280	
Less lamps discontinued during the quarter.....	8		
Less lamps discontinued on account of electric-lights.....	2		
Less lamps transferred to Equitable Gas-light Company.....	30		
Less lamps transferred to Standard Gas-light Company.....	5		
		45	

Number of lamps lighted June 30, 1892..... 3,235

CONSOLIDATED GAS COMPANY, BRANCH 6.

Number of lamps lighted March 31, 1892.....	5,043		
Number of new lamps lighted during the quarter.....	106		
Number of old lamps relighted during the quarter.....	15		
Number of lamps transferred from Standard Gas-light Company.....	1		
		5,165	
Less lamps discontinued during the quarter.....	30		
Less lamps transferred to Standard Gas-light Company.....	13		
		43	

Number of lamps lighted June 30, 1892..... 5,122

Total number of lamps lighted by Consolidated Gas Company, June 30, 1892..... 14,151

EQUITABLE GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1892.....	4,105		
Number of new lamps lighted during the quarter.....	18		
Number of old lamps relighted during the quarter.....	2		
Number of lamps transferred from Consolidated Gas-light Company.....	350		
Number of lamps transferred from Standard Gas-light Company.....	16		
		4,491	

Less lamps discontinued during the quarter..... 1

Number of lamps lighted June 30, 1892..... 4,490

STANDARD GAS-LIGHT COMPANY, MADISON SQUARE BRANCH.

Number of lamps lighted March 31, 1892.....	1,086		
Number of new lamps lighted during the quarter.....	1		
Number of old lamps relighted during the quarter.....	1		
Number of lamps transferred from Consolidated Gas Company.....	205		
		1,293	
Less lamps discontinued during the quarter.....	6		
Less lamps transferred to Equitable Gas-light Company.....	16		
		22	

Number of lamps lighted June 30, 1892..... 1,271

STANDARD GAS-LIGHT COMPANY, HARLEM BRANCH.

Number of lamps lighted March 31, 1892.....	1,482		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0		
Number of lamps transferred from Consolidated Gas Company.....	13		
		1,497	
Less lamps discontinued during the quarter.....	2		

Number of lamps lighted June 30, 1892..... 1,495

Total number of lamps lighted by Standard Gas-light Company June 30, 1892..... 2,766

NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1892.....	178		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0		
		178	
Less lamps discontinued during the quarter.....	0		

Number of lamps lighted June 30, 1892..... 178

CENTRAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1892.....	2,179		
Number of new lamps lighted during the quarter.....	74		
Number of old lamps relighted during the quarter.....	18		
		2,271	
Less lamps discontinued during the quarter.....	40		
Less lamps discontinued on account of electric lights.....	379		
		419	

Number of lamps lighted June 30, 1892..... 1,852

NORTHERN GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1892.....	2,577		
Number of new lamps lighted during the quarter.....	18		
Number of old lamps relighted during the quarter.....	0		
		2,595	
Less lamps discontinued during the quarter.....	6		

Number of lamps lighted June 30, 1892..... 2,589

YONKERS GAS-LIGHT COMPANY.			MOUNT MORRIS ELECTRIC-LIGHT COMPANY.		
Number of lamps lighted March 31, 1892.....	618		Number of lamps lighted March 31, 1892.....	154	
Number of new lamps lighted during the quarter.....	26		Number of new lamps lighted during the quarter.....	0	
Number of old lamps relighted during the quarter.....	0		Number of old lamps relighted during the quarter.....	0	
Less lamps discontinued during the quarter.....		644	Less lamps discontinued during the quarter.....		154
Number of lamps lighted June 30, 1892.....		644	Number of lamps lighted June 30, 1892.....		154
Total number of gas-lamps lighted June 30, 1892.....		26,670			
NAPHTHA-LAMPS.			HARLEM LIGHTING COMPANY.		
Number of lamps lighted March 31, 1892.....	140		Number of lamps lighted March 31, 1892.....	177	
Number of new lamps lighted during the quarter.....	18		Number of new lamps lighted during the quarter.....	15	
Number of old lamps relighted during the quarter.....	0		Number of old lamps relighted during the quarter.....	0	
Less lamps discontinued during the quarter.....		158	Less lamps discontinued during the quarter.....		192
Total number of naphtha-lamps lighted June 30, 1892.....		152	Number of lamps lighted June 30, 1892.....		192
ELECTRIC-LAMPS.			NORTH RIVER ELECTRIC-LIGHT AND POWER COMPANY.		
Number of lamps lighted March 31, 1892.....	308		Number of lamps lighted March 31, 1892.....	167	
Number of new lamps lighted during the quarter.....	0		Number of new lamps lighted during the quarter.....	85	
Number of old lamps relighted during the quarter.....	0		Number of old lamps relighted during the quarter.....	0	
Less lamps discontinued during the quarter.....		308	Less lamps discontinued during the quarter.....		252
Number of lamps lighted June 30, 1892.....		308	Number of lamps lighted June 30, 1892.....		252
Total number of electric-lamps lighted June 30, 1892.....		308	Total number of electric-lamps lighted June 30, 1892.....		1,371
UNITED STATES ILLUMINATING COMPANY.			RECAPITULATION.		
Number of lamps lighted March 31, 1892.....	308		Number of gas-lamps lighted March 31, 1892.....	26,806	
Number of new lamps lighted during the quarter.....	0		Number of naphtha-lamps lighted March 31, 1892.....	140	
Number of old lamps relighted during the quarter.....	0		Number of electric-lamps lighted March 31, 1892.....	1,270	
Less lamps discontinued during the quarter.....		308			28,216
Number of lamps lighted June 30, 1892.....		308	Number of new gas-lamps lighted during the quarter.....	301	
Total number of gas-lamps lighted June 30, 1892.....		308	Number of new naphtha-lamps lighted during the quarter.....	18	
			Number of new electric-lamps lighted during the quarter.....	100	
BRUSH ELECTRIC ILLUMINATING COMPANY.					419
Number of lamps lighted March 31, 1892.....	264		Number of gas-lamps relighted during the quarter.....	50	
Number of new lamps lighted during the quarter.....	0		Number of naphtha-lamps relighted during the quarter.....	0	
Number of old lamps relighted during the quarter.....	0		Number of electric-lamps relighted during the quarter.....	1	
Less lamps discontinued during the quarter.....		264			51
Number of lamps lighted June 30, 1892.....		264	Less gas-lamps discontinued during the quarter.....	108	
Total number of gas-lamps lighted June 30, 1892.....		264	Less gas-lamps discontinued on account of electric-lights.....	379	
			Less naphtha-lamps discontinued during the quarter.....	6	
EAST RIVER ELECTRIC-LIGHT COMPANY.			Less electric-lamps discontinued during the quarter.....	0	
Number of lamps lighted March 31, 1892.....	200				493
Number of new lamps lighted during the quarter.....	0		Total number of lamps lighted June 30, 1892.....		28,193
Number of old lamps relighted during the quarter.....	1				
Less lamps discontinued during the quarter.....		201			
Number of lamps lighted June 30, 1892.....		201			

EXHIBIT "E."

Statement Giving the Illuminating Power in Candles of the Gas supplied to the City by the several Gas-light Companies during the Quarter ending June 30, 1892, as Shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.	CONSOLIDATED GAS CO., BRANCH 1.			CONSOLIDATED GAS CO., BRANCH 2.			CONSOLIDATED GAS CO., BRANCH 3.			CONSOLIDATED GAS CO., BRANCH 4.			CONSOLIDATED GAS CO., BRANCH 5.			N. Y. MUTUAL GAS-LIGHT CO.			EQUITABLE GAS-LIGHT CO.			STANDARD GAS-LIGHT CO.		
	ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			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.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April 2, 1892.....	22.26	27.08	23.81	20.68	22.06	21.53	27.60	29.18	28.31	21.30	23.59	22.34	25.68	27.40	26.57	30.84	31.60	31.13	29.18	29.92	29.59	22.98	25.46	24.11
" 9, ".....	19.36	22.62	21.45	20.36	21.61	20.81	27.48	28.92	28.17	20.19	21.70	20.82	23.18	27.48	26.57	30.24	31.40	30.80	29.36	30.14	29.59	21.92	25.74	24.09
" 16, ".....	22.11	23.64	22.71	20.94	21.96	21.24	27.10	27.94	27.61	20.34	23.02	21.84	24.02	27.94	25.86	30.36	30.89	30.64	29.74	30.33	30.08	24.45	28.58	26.97
" 23, ".....	21.70	25.22	23.42	19.99	21.95	21.03	26.99	29.10	28.24	20.30	22.62	21.64	25.38	28.84	26.61	26.56	30.70	29.19	28.74	30.42	29.42	23.90	30.34	27.21
" 30, ".....	20.34	25.50	23.73	19.72	22.42	21.34	23.92	28.36	26.12	21.18	22.10	21.56	24.66	25.74	25.25	29.36	30.96	30.14	23.74	31.02	30.19	23.74	26.30	25.04
May 7, ".....	20.95	26.24	23.22	20.56	22.36	21.36	26.73	28.60	27.68	19.57	21.64	20.88	25.08	26.12	25.63	30.16	30.91	30.65	23.54	30.56	29.80	24.04	25.65	25.11
" 14, ".....	20.67	26.26	23.77	19.79	21.90	20.68	26.89	28.68	27.60	19.60	23.99	22.11	25.46	29.24	27.16	29.42	31.08	30.31	29.92	31.34	30.39	24.92	26.42	25.69
" 21, ".....	21.98	25.40	23.93	20.24	23.22	21.34	26.62	30.16	28.20	20.30	23.20	22.17	26.18	27.88	27.28	30.62	30.95	30.92	29.58	31.60	30.31	23.12	27.86	26.32
" 28, ".....	21.34	24.96	23.14	20.94	24.40	22.40	28.36	28.74	28.65	19.15	22.80	21.45	27.34	29.40	28.26	31.14	31.82	31.80	29.88	31.98	30.99	23.61	25.78	24.83
June 4, ".....	20.50	26.41	22.98	20.36	23.41	21.94	28.82	31.01	29.60	20.28	24.04	22.10	26.72	29.60	28.28	30.90	31.34	31.20	29.74	31.40	30.65	24.40	27.30	25.96
" 11, ".....	21.08	25.41	23.42	20.37	23.18	21.47	27.60	29.58	28.68	18.63	22.11	20.68	25.78	28.15	27.10	30.95	32.48	31.77	29.54	31.00	30.22	23.50	26.50	25.25
" 18, ".....	20.12	26.36	22.78	19.54	24.38	21.78	28.38	31.50	29.49	21.28	24.22	22.27	27.90	29.88	28.78	30.34	32.17	31.61	30.22	31.50	30.70	26.37	28.08	27.14
" 25, ".....	19.32	26.18	23.76	20.12	22.44	21.32	27.86	30.26	29.10	21.24	22.40	21.73	27.66	28.36	28.01	30.92	32.26	31.58	29.16	31.14	29.99	26.08	27.68	26.76
For the Quarter.....	20.90	24.02	23.16	20.28	22.72	21.40	27.26	29.34	28.27	20.26	22.88	21.66	25.93	28.16	27.03	30.14	30.74	30.90	29.41	30.95	30.15	24.08	27.05	25.73
Distance from gas-works.....	1.86 Miles			1.68 Miles			3.84 Miles			3.88 Miles			1.86 Miles			1.81 Miles			2.79 Miles			1.88 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.....			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.

CITY OF NEW YORK—DEPARTMENT OF PUBLIC WORKS,
BUREAU OF REPAIRS AND SUPPLIES,
SUPERINTENDENT'S OFFICE, No. 31 CHAMBERS STREET, ROOM 15,
NEW YORK, July 7, 1892.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

SIR—I have the honor to submit to you the following report of the transactions of this Bureau for the quarter ending June 30, 1892.

Among the principal items of work done by the Bureau I refer to the following:

NEW CRIMINAL COURT HOUSE.

The exterior walls of the building on all its fronts are leveled up to the cornice line, and the ornamented terra cotta corbels, panels and cornices are in place, excepting a run of about 75

feet, and large quantities of the brown-stone coping which forms the eaves course under roof gutters have been delivered at the building, and are awaiting setting in place.

The interior walls throughout the building, except about 22 feet of the enameled brick-work facing of the upper portion of the arcade, are up to the required height for roof, and the marble-work in the arcade is in place, although it requires considerable trimming, paring and pointing to finish it.

At this date 9,831,000 bricks have been built in the walls of the building, together with 274,000 firing and 125,000 front bricks, and 68,900 feet of fire-proof arch blocks.

The iron work, including columns, girders, floor beams and many of the stair strings risers and several of the interior partition frames are in place, and the greater portion of the iron for roof trusses and purlins have been hoisted to the top floor ready to be placed.

About 26,500 square feet of the under-flooring in several of the rooms of the building covering the required sleepers has been put down up to date, and 15 carpenters are engaged in building scaffolds and firing ceilings to receive the iron lath for plastering.

The following-named apparatus to be used in connection with the ventilation, heating, elevator and electric service has been put in position:
4 steel tube boilers.

- 2 blow-off tanks.
- 2 hot-water tanks.
- 2 pump governors.
- 4 pumps for elevators.
- 4 boiler feed pumps.
- 2 pumps for hot-water circulation.
- 2 engines to operate air fans.
- 2 circulating water tanks, direct steam.
- 2 exhaust hot-water heating tanks.
- 2 air compressors for electric service.
- 18 Samson traps, No. 8.
- 16 Samson traps, No. 1.
- 1,404 radiators.
- 2 discharge tanks.

Beside the foregoing apparatus there has been put in place and connected about 6,000 feet of 1½-inch pipe, 7,956 feet of 2-inch pipe, 110 feet of 5-inch and 100 feet of 8-inch piping, with necessary valves and fittings, together with over 2,000 feet brass tubing.

The hot-air chambers are inclosed with brick walls and the steam piping laid in brick trenches covered with iron plates, and air ducts below floor line constructed with vitrified pipes.

The 6 elevator cylinders, each 14½ inches diameter by 40 in height, are in place and their connections completed, and all the Bye Pass electric valves are complete, and two fan engines to operate the air fans are also connected up.

The plumbing and gas-fitting is progressing as rapidly as the condition of the building will permit. At this date there is in place about 12,000 running feet of cast-iron pipe running from 2-inch to 8-inch in diameter; 1,348 feet 1-inch galvanized iron-pipe, 200 feet 1¼-inch lead-pipe and about 14,000 feet of gas-pipe.

At the date of this report the work on the Criminal Court Building is almost suspended in consequence of a strike of the labor organizations against the contractors for the iron work. Since the last report, May 6, a strike was ordered against the Pelham Hoisting Company. This strike was speedily settled by the mason contractors ordering the Pelham Company out and replacing their apparatus with unobjectionable machinery and men. May 24 another strike was ordered against the Jackson Architectural Iron Company, who are contractors for the iron work of the building, and this strike continues up to date. On July 1 the number of men at work on the building was 32; of these 16 were carpenters, 10 iron workers, 2 brown-stone cutters, gas-fitter and helper, the remainder being 1 mason, watchman and laborers. This strike has not yet been declared off.

NEW HARLEM COURTS.

The new Harlem Courts and Prison are in an advanced state toward completion.

The part of the building fronting on Sylvan place, the upper stories of which are designed for offices for the Courts, is plastered throughout, except the finishing coat on the upper stories; and the plumbing, except the cocks, is complete, and the electric wiring, except fixtures, is complete. The iron and slate stairways are also in place.

The centre building, in which the court-rooms are to be located, have had their ceilings fired and lathed, the under floor laid, the electric wires put in, and plasterers are now engaged putting up the elaborate papier-mache ceilings.

The prison portion of the building is also almost complete. The steam, electric light and plumbing work of this part of the building is all in place; the cell doors are hung, the stairways and the cement floors are finished, the prison walls whitewashed, and the iron work of the reception rooms is about finished; the plastering in the Warden's rooms and the special cells is also finished, and the iron and slate stairways are almost complete. It is to be remembered that the prison, including the Warden's apartments, are fire-proof, consisting of fire-proof blocks for ceilings, cement floors, iron and stone stairways in halls and corridors.

The shops in the building have their under floors laid in cement, walls and ceilings plastered, strong iron window-guards in place on the windows adjoining prison and those in the apartments of the Warden and special cells.

The cellars of the building have been graded, the sewers connected with street sewer, the plumbing, gas-piping and electric service in place, except fixtures.

The boilers, elevator and fire-pumps and tanks are complete, the floors of kitchen and laundry yard and a portion of the boiler-room are concreted, the ceilings plastered and the walls white-washed.

The work in elevator shaft is progressing; the guide-rails, cylinders and piston have been put up, and the framing for pulleys and gearing placed. The iron frame of spire on corner tower and the flag-pole are in place, and at this time the building is in such condition as to promise its completion within the time stipulated in the contract.

THE NEW COURT-HOUSE.

Surrogate's Court—A case of shelving and pigeon holes, 12 feet long by 9 feet high, has been put up in the Guardian Accounting Clerk's office, and alterations made to the shelving in the Transfer Tax Department.

A roll-top desk and a table has been furnished for the use of the Certificate Clerk and a new window awning put up.

New window awnings have been put up on the windows of the Judges' rooms of the Superior Court and Court of Common Pleas, and law books and directories furnished.

Sheriff's Office—Some new black walnut cases have been put up and directories furnished.

County Clerk's Office—Protective ventilators have been placed in the windows, the wire railings repaired, new springs put on the gates and the safe lock repaired.

Repairs have been made to the glazing of the dome, the sash bars cleaned of rust and shellacked and painted and joints filled with red lead cement.

Repairs have been made to the elevators and the locks on the doors put in order, the hand ropes repaired in both elevators.

THE CITY HALL.

City Court—A new desk for the Stenographer and law books for use of the Court have been furnished.

A contract for painting rooms Nos. 19 and 20 has been made and the work will proceed during the summer recess of the Court.

A new galvanized iron leader has been put up on the southeast corner of the building and repairs made to the gutter on the north side of the east wing.

The three ventilators have been repaired and painted, new 12-inch collars put in them and the bases pointed up.

A new ice box has been put in for Janitor's use.

A new rotary desk chair furnished for use of the Clerk of Board of Aldermen and directories furnished the Mayor's office and Board of City Record.

The usual supply of steam for the building has been provided for.

THE BROWN-STONE BUILDING.

A roll-top desk has been furnished for use of the District Attorney's office and new Bibles for use of the Court of General Sessions.

The number of persons who have availed themselves of the privileges of the room set apart for use of females having business with the Court of General Sessions during the quarter was—

In April.....	760
In May.....	620
In June.....	620
Total.....	2,000

The elevator has been repaired, valves repacked and car readjusted.

HALL OF RECORDS.

A new carpet and rug has been laid in centre room, second floor. A roll top desk, rotary chair and some office chairs and rotary stools furnished; new window shades hung and window awnings put up, and an iron window guard put up on one of the windows.

The new cases on the third floor have been painted.

The roof has been repaired and painted, flashings and coping pointed up with Portland cement and roof made weather tight.

NO. 31 CHAMBERS STREET.

In the office of the Consulting Engineer the partitions have been extended to the ceiling with glazed pivoted sash, and the office connected by electric wire with the Commissioner's office. A white pine closet with sash doors has been built for use of the Chief Engineer. A telephone booth has been placed in the Commissioner's office. Four ½-horse-power C. & C. fan outfits, with all necessary wire fittings and appliances, have been installed by the Edison Electric Illuminating Company in conformity with the rules of the Board of Fire Underwriters. The elevator has been repaired, a new governor rope put in.

In Room No. 9 the wire railing has been altered and extended and window shades put up.

Ten sign boards, painted and lettered "Street Closed," and 15 chestnut rollers have been furnished for use of the Water Purveyor's office.

THE COURTS—POLICE AND CIVIL.

First District Civil Court—A document cabinet and large arm-chair has been furnished.

Second District Civil Court—One document cabinet and stand furnished.

Fifth District Civil Court—In the ante-room the walls and ceilings have been repaired, painted and calcimined, and the large sign on front of the building relettered in smalts and gold. The roof of main building and extension have been repaired and painted, skylight repainted and fire-wall pointed up.

Sixth District Civil Court—An arrangement has been made with the Trustees of the Demilt Dispensary to furnish a supply of steam for the heating of the Court and offices connected therewith.

Seventh District Civil Court—The walls and ceilings in the Judge's and Clerks' rooms and the office of the Court have been repaired, painted and calcimined, hardwood varnished and radiators bronzed. The window awnings have been repaired and put up.

In the Clerks' office new carpet and linoleum has been laid and directory furnished.

Eleventh District Civil Court—4 new window-awnings have been put up.

Fourth District Police Court—The walls and ceilings in the officers' room and the prison pen have been repaired, painted and calcimined, grained work touched up and varnished and radiators bronzed.

A black walnut table has been furnished for use of the Court.

Sixth District Police Court—A walnut wardrobe and some law books have been furnished. Law books and directories have been supplied for use of the Board of Police Justices.

The County Jail—The kitchen range has been thoroughly overhauled and repaired.

THE ARMORIES.

Seventh Regiment Armory—The six large ventilators in roof of main drill room have been taken down, repaired and new vanes put in to replace those broken; new glass support journals put in, and the ventilators replaced in position.

The sash in 19 of the windows in the administration building have been repaired and rehung with best quality of brass sash chain, and the gearing of the steel rolling shutters has been overhauled and new straps put in where required, and the shutters put in complete order.

The sidewalk elevator-lift has been repaired new spindles and bearings put in, chains overhauled, guides relined, the platform replanked and new supports put in, and new cover put on cellar hatchway.

The inside lift running from the cellar to the upper floors has been overhauled, bolts tightened up and gearing reset.

The large doors on Lexington avenue side have been cleaned off, filled, rubbed and given three coats of hard outside varnish. All the flag-poles have been puttied up and painted, and new halyards reeved on each pole. A circular ladder has been built in the east end of the roof of the main drill room, to replace the old one, which was unfit for use.

Eighth Regiment Armory—Extensive repairs have been made to the roof of the above Armory; the damaged tin removed and replaced with L. P. L. tin, painted both sides; the flashings have been pointed with roofing cement, leaders repaired. All new work painted two coats of metallic paint, and the coping pointed up with Portland cement mortar. Some repairs have been made to the gas-fitting.

Sixty-ninth Regiment Armory—A new galvanized iron chimney top, 2 feet in diameter, has been put in the boiler flue, and the chimney pointed up where needed with cement mortar. New check valves have been put on the boilers.

The water closets on the Sixth and Seventh street ends of the building and the stairs leading thereto have been cleaned off, plastering repaired, ceilings calcimined, and wood and iron work painted. Repairs have also been made to the closets.

Seventy-first Regiment Armory—The gun racks, cases and property belonging to the regiment were removed from the Armory at Thirty-sixth street and Broadway to the temporary Armory at One Hundred and Seventh street, between Fourth and Lexington avenues. The stoves were removed to the basement of the New Court House, as the new armory is heated by steam, and they will not be required there.

The cellar of the new Armory was cleaned, and several loads of ashes and rubbish removed from the premises.

Pine partitions were put up to inclose rooms for the Colonel, Adjutant, Surgeon, Quartermaster and Board of Officers. 700 coat and hat hooks were put up on strips secured to the walls, as directed, and the new work given two coats of linseed oil. One 14-foot Demorest washout closet range, with hardwood seats, flushing cistern and connections, an 8-foot galvanized iron urinal with connections were put in, and the three old closets in northeast room cleaned and repaired.

A marble-top basin was put up in the Surgeon's room, and the waste and water pipes repaired. A contract and specifications for further repairs and alterations, building company rooms and lockers, plumbing, steam and gas fitting, repairs to flooring and painting and calcimining has been prepared, and will be advertised for public bidding in a few days.

As soon as the contract is made the work will be proceeded with without delay.

THE MARKETS.

Washington Market—Repairs have been made to the skylight and leader at Stand No. 366, and new ropes put on the skylight where needed.

A contract and specifications have been prepared for the painting of the exterior of the building. This work has been advertised, and will be proceeded with as soon as the contract is made.

West Washington Market—The leaders at Stands Nos. 17 and 19, Thompson avenue, and No. 5 Lawton avenue, and the gutter of awning over Stand No. 5, Thirteenth avenue, have been repaired and painted.

The contract for closing up the openings in the interior brick walls, and extending them above the roofs of two of the buildings, has been proceeded with rapidly, and is now nearly completed.

Fulton Market—Repairs have been made to the flooring in Fulton street gangway for a distance of 28 feet from front street entrance, and in front street gangway for a distance of 71 feet, also a space under Ottman's stand 36 feet long and 10 feet wide. The old flooring was removed and the space filled in with clean earth, and then floored over with 2-inch x 4½-inch yellow pine flooring plank.

The skylight over Stands Nos. 54 and 208 and the gravel roof over Stands Nos. 136, 138 and 142, the iron awning over Stands Nos. 20, 220 and 224, have been repaired and the new work painted with metallic paint.

Catharine Market—The flooring near Stands Nos. 42, 44, 33, 35 and 48, and in the gangway in front of D. Winant's stand has been repaired.

Jefferson Market—The shed roofs, gutters and leaders on the Sixth and Greenwich avenue sides of the building have been repaired and made weather tight, and the flooring in gangways near Stands Nos. 14, 16, 59, 60, 84 and 85 has been repaired, and new bolts put on the doors on Greenwich avenue side.

Centre Market—The roof over the northeast corner of the building has been repaired, the coping stone reset in cement, the walls reflashed with L. P. L. tin and the gutter repaired and painted.

Three galvanized iron chimney tops with Emmerson heads flashed and soldered to the chimney, and about 16 feet of new 5-inch galvanized iron leader have been put up. The gutters over the Second District Civil Court have been repaired and painted.

THE PUBLIC ADMINISTRATOR'S OFFICE.

A Tucker file cabinet, with 32 files and 4 drawers, has been furnished, and directories (city and business) supplied.

STAATS ZEITUNG BUILDING.

New window awnings have been put up in the Record room of Corporation Counsel's office, and on the office of Personal Taxes, and a new rug furnished the Board of Estimate and Apportionment.

The papers on the Aqueduct proceedings have been removed from Martin B. Brown's printing office, and stored in the basement of the Brown-stone building.

The carpet in the office of the Board of Assessors has been taken up, cleaned, relined and relaid.

STEWART BUILDING.

New window awnings have been put on the windows of the Finance Department and on the office of the Commissioners of Accounts.

New York City, Brooklyn City, Business and Copartnership directories have been supplied for use of the Attorney for the Collection of Arrears of Personal Taxes.

THE NEW DEPARTMENT OF BUILDINGS.

The furniture, cases and other property turned over by the Fire and Health Departments were removed to the new building on the southwest corner of Eighteenth street and Fourth avenue, where the necessary alterations were made and the cases put up for use of the New Department.

New partitions were built dividing the fourth, fifth and sixth floors into suitable offices, carpets and linoleum laid, window shades hung and some law books furnished.

In addition to the foregoing, the following work has been attended to:

The repairs to plumbing, steam and gas fitting, iron work, glazing, and the office furniture in the several buildings in care of the Department.

Also the repairs to the carpenter work in the several buildings and offices.

This work, of which there is a considerable amount, is attended to by the carpenters in the employ of the Bureau.

As most of this work is made up of small repair jobs it would be difficult to give a more detailed statement of it.

But the principal work done by them was the taking down the cases, etc., of the Building Bureau in the Fire Department and making necessary alterations to the same and putting them up in the new quarters of the Department of Buildings.

Daily reports, showing the work done by the carpenters in detail, are kept on file in the Bureau.

About 2,500 feet of mill-dressed lumber and the necessary hardware have been furnished for their use in the several buildings where repairs were needed.

The window awnings have been repaired and put up on the Courts and offices and some new ones furnished.

THE FREE FLOATING BATHS.

The 15 free floating baths have been thoroughly repaired and equipped before going into service. Such of their pontoons as required it were taken out, recaulked, scraped, grained, paved and otherwise made water tight; new steps have replaced those found decayed in the approaches to the swimming tanks; new gangways have been made and put in; the roofs have been repaired and painted, and new signal lanterns glazed with ruby glass have replaced old ones wherever required. The interior of all the baths, including dressing, toilet, reception and living rooms, have been painted, and the outside of the Battery and Market street baths has also been painted; new 6-inch hawsers have been furnished wherever needed to secure the safety of the structures, and new life lines have been placed in the swimming tanks, and new pumps supplied and the old ones repaired. At this date all the baths are in their berths and open for public use; they are all lighted with gas except the East Ninetieth and the West One Hundred and Thirty-second streets baths, in consequence of there being no gas mains in their neighborhood. The baths have been generously equipped with cleaners' supplies.

The following shows the dates on which the baths were berthed and opened:

BATH.	ARRIVAL.	OPENED.
No. 1	Battery, North river, June 1.....	June 2
" 2	Fifth street, East river, June 3.....	" 4
" 3	One Hundred and Twelfth street, East river, June 14.....	" 20
" 4	Twenty-eighth street, East river, June 15.....	" 20
" 5	Grand street, East river, June 7.....	" 9
" 6	Horatio street, North river, June 11.....	" 12
" 7	One Hundred and Thirty-eighth street, East river, June 16.....	" 16
" 8	Eighteenth street, East river, June 10.....	" 11
" 9	Duane street, North river, June 10.....	" 14
" 10	Fiftieth street, North river, June 2.....	" 3
" 11	Ninetieth street, East river, June 15.....	" 21
" 12	Fifty-first street, East river, June 7.....	" 7
" 13	Twenty-ninth street, North river, June 14.....	" 17
" 14	One Hundred and Thirty-second street, North river, June 17.....	" 21
" 15	Market street, East river, June 2.....	" 4

The delay in opening Baths Nos. 3, 4, 11, 13, and 14, was caused by the Dock Department's Dock Builders being fully engaged in extending the platform approach to the Duane Street Bath.

The following table shows the number of bathers since the opening of the baths to June 30, 1892:

BATH.	LOCATION.	MALES.	FEMALES.
No. 1..	Battery	67,000	34,500
" 2..	East Fifth street.....	48,800	31,500
" 3..	East One Hundred and Twelfth street.....	9,500	3,500
" 4..	East Twenty-eighth street	4,700	3,500
" 5..	Grand street, E. R.	36,000	31,000
" 6..	Horatio street, N. R.	17,000	12,500
" 7..	East One Hundred and Thirty-eighth street	19,780	2,821
" 8..	East Eighteenth street	48,000	18,000
" 9..	Duane street.....	23,565	7,240
" 10..	West Fiftieth street	62,000	41,000
" 11..	East Ninetieth street	6,400	3,100
" 12..	East Fifty-first street	42,000	13,000
" 13..	West Twenty-ninth street	31,300	16,570
" 14..	West One Hundred and Thirty-second street	7,000	2,500
" 15..	Market street.....	160,000	74,000
Total		603,245	294,731
Total		897,976	

Very respectfully,

W. G. BERGEN, Superintendent Repairs and Supplies.

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REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,
No. 31 CHAMBERS STREET,
NEW YORK, July 8, 1892.

Hon. THOMAS F. GILROY, Commissioner of Public Works:

DEAR SIR—I submit herewith the following report of the operations of this Bureau for the quarter ending June 30, 1892 (months of April, May and June):

- 4,308 complaints of obstructions received and attended to.
- 723 seizures and removals of obstructions made.
- 2,365 building permits issued.
- 404 miscellaneous permits issued.
- 3 permits issued to cut down shade trees.
- 5 notices issued to repair defective vault covers.

Expense of seizing and removing 723 articles, including 425 loads of dirt, stone and refuse, and throwing in dirt, etc., on premises of various places; removing 170 dead and dangerous trees, stumps, posts, etc., also 148 telegraph poles, and about 396 miles of electric wire.....

\$11,315 85

Total expenses for the quarter

\$13,340 85

Received from owners for the redemption of seized articles.....	\$470 25
Received from public sale of unredeemed goods, March 31, 1892.....	872 33
Received from public sale of unredeemed goods, May 9, 1892.....	529 88
Total.....	\$1,872 46

All of which was duly paid over to the City Chamberlain.

Salary account—Appropriation	\$7,800 00
Expended up to June 30, 1892	4,050 00
Balance.....	\$3,750 00

Appropriation for the Removal of Obstructions in Streets and Avenues	\$42,000 00
Expended up to June 30, 1892	24,950 20
Balance.....	\$17,049 80

Respectfully,

MICHAEL F. CUMMINGS, Superintendent of Incumbrances.

Document "M."

REPORT OF THE WATER REGISTER.

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,
NEW YORK, June 30, 1892.

Hon. THOS. F. GILROY, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties and taps for the quarter ending June 30, 1892:

	Principal.	Penalties.	Taps.
April	\$110,555 42	\$521 40	\$2,046 50
May	298,075 43	561 60	1,120 00
June	354,261 97	350 85	1,292 00
Total.....	\$762,892 82	\$1,433 85	\$4,458 50

Total..... \$768,785 17

Deposited to the credit of "Water Meter Fund, No. 2"—

April	\$211 05
May	898 25
June	1,459 18
Total.....	\$2,568 48

"Special Fund—Repairing Streets"—

April	\$1,094 00
May	1,285 00
June	1,443 50
Total.....	\$3,822 50

Respectfully submitted,

JOSEPH RILEY, Water Register.

LAW DEPARTMENT.

Statement and Return of Moneys Received by CHARLES E. LYDECKER, Public Administrator in the City of New York, for the Month of September, 1892, rendered to the Comptroller in pursuance of the provisions of Sections 56 and 216 of New York City Consolidation Act of 1882.

DATE.	ESTATE OF—	INTEREST.	COMMISSIONS.	TOTAL AMOUNT.
Sept. 9, 1892	William Dowman.....	.....	\$46 28	\$46 28
	William R. Turner.....	1 \$189 31	39 65	228 96
	"	2 189 30	.....	189 30
" 10, "	Charles E. Goodwin, Jr.....	.....	292 49	292 49
" 12, "	Jane Utting	3 163 78	85 98	249 76
" 13, "	Archibald Buchanan .....	.....	64 04	64 04
" 14, "	Sophia Thompson.....	947 45	70 18	1,017 63
" 17, "	Mary Donohue.....	.....	63 42	63 42
" 19, "	Ulrich Jordt.....	.....	13 44	13 44
" 22, "	Mary J. Devyr.....	.....	78 49	78 49
" 30, "	Istram Nagy.....	.....	16 83	16 83
" 30, "	William Souther and others, as per list hereto annexed.....	52 28	.....	52 28
	Christopher V. Vetter.....	4 30 77	.....	30 77
	"	5 13 56	.....	13 56
	Joseph Fowler.....	6 14 97	.....	14 97
	"	6 19 20	.....	19 20
	"	7 127 42	.....	127 42
	"	8 36 99	.....	36 99
	"	9 4 10	.....	4 10
Totals.....		\$1,789 13	\$770 80	\$2,559 93

- 1 For the benefit of the next of kin of Jane Wilson.
- 2 For the benefit of the next of kin of Hannah Tomlinson.
- 3 For the benefit of the widow and next of kin of Henry Utting.
- 4 For the benefit of Max Coherstein.
- 5 For the benefit of John A. Boppe.
- 6 For the benefit of Peter A. Van Bergen.
- 7 For the benefit of Joseph Welford.
- 8 For the benefit of F. Beckman Finley.
- 9 For the benefit of William H. Church.

Proceeds of Sale of Effects received from Coroners and Commissioners of Charities and Correction.

Estate of unknown man.....	\$0 22	Henry F. Brown.....	\$1 51
Estate of William Souther.....	2 63	Maggie Jones.....	1 80
Unknown man.....	60	Charles Reher.....	1 26
Unknown man.....	51	William Cole.....	1 05
Unknown man.....	33	Mary Mastony.....	1 05
Charles Ross.....	08	Raphael Malarah.....	1 70
Unknown woman.....	35	Andreas Pollo.....	4 20
Esther Lewis.....	25	Albert Habedend.....	2 30
Henry Nathan.....	22	Unknown man, No. 42 Greenwich street.....	35
Bernard Martin.....	22	Leopold Marchesi.....	60
Madame Serte.....	4 20	Gottfried Wiedner.....	76
Nathan Shihler.....	86	William Sauter.....	2 30
Sarah Pearson.....	1 89	Unknown man, "Jack".....	50
William Reid.....	65	Gustav Hollberg.....	84
Charles Hentz.....	2 30	Julius Gratzner.....	2 94
Dometri Sicola.....	2 96	Joseph Ratner.....	1 18
Jacob Kraus.....	60	Unknown man, 1891.....	2 19
John Haag.....	1 49	Total.....	\$52 28
Elias Blum.....	2 72		
James W. Smith.....	67		

BOARD OF STREET OPENING AND IMPROVEMENT.

OFFICE OF THE BOARD OF STREET OPENING AND IMPROVEMENT,
ROOM NO. 10, STEWART BUILDING,
NEW YORK, October 7, 1892.

Owing to the absence of a quorum, no meeting of the Board of Street Opening and Improvement was held this day.

V. B. LIVINGSTON, Secretary.

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,
NO. 300 MULBERRY STREET,
NEW YORK, October 7, 1892.

To the Supervisor of the City Record:

SIR—Pursuant to chapter 226, Laws of 1889, I herewith transmit the following list of appointments and applicants for appointment in the Police Department of the City of New York for the week ending October 8, 1892:

Examinations and Appointments.

NAME.	RESIDENCE.	OCCUPATION.	
Nath. E. Lederman.....	225 East Forty-third street.....	Driver.....	Passed.
John McKnight.....	208 East Seventieth street.....	Clerk.....	"
Matt. McKeon.....	{One Hundred and Seventy-fifth street and Eleventh avenue.....}	Seaman.....	"
George J. Meehan.....	148 East Forty-eighth street.....	Clerk.....	"
James McGrath.....	Sedgwick avenue and Depot place.....	Teamster.....	"
James McGahy.....	663 Tenth avenue.....	Butcher.....	"
John O'Regan.....	126 Charlton street.....	Laborer.....	Rejected.
Patrick McGee.....	163 Seventh avenue.....	Foreman.....	Passed.
Fred. Quarrell.....	647 East Thirteenth street.....	Fireman.....	"
Richard Mannion.....	787 Columbus avenue.....	Plasterer.....	"
Bart. J. O'Connor.....	1012 Second avenue.....	Plumber.....	"
Henry Kupfrian.....	441 West Twenty-fourth street.....	Carpenter.....	"
John J. Kinsley.....	264 West Forty-seventh street.....	Plumber.....	Rejected.
John O'Brien.....	600 West Twentieth street.....	Bartender.....	Passed.
Otto J. Haslinger.....	100 Avenue A.....	Cigar packer.....	"
William Ryan.....	451 East Thirteenth street.....	Salesman.....	"
John S. Conway.....	711 Columbus avenue.....	Machinist.....	"
Thomas Craven.....	437 West Thirty-first street.....	Gardener.....	"
Jerald O'Meara.....	476 West Thirty-fourth street.....	Blacksmith.....	"

Very respectfully,
WM. H. KIPP, Chief Clerk.

OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business, and at which the Courts regularly open and adjourn, as well as of the places where such offices are kept and such Courts are held; together with the heads of Departments and Courts:

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.
HUGH J. GRANT, Mayor. WILLIS HOLLY, Secretary and Chief Clerk.

Mayor's Marshal's Office.

No. 1 City Hall, 9 A. M. to 4 P. M.
DANIEL ENGELHARD, First Marshal.
FRANK FOX, Second Marshal.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.
MICHAEL T. DALY, CHARLES G. F. WAHLE.

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 4 P. M.
JAMES C. DUANE, President; JOHN J. TUCKER, FRANCIS M. SCOTT, H. W. CANNON, and the MAYOR COMPTROLLER and COMMISSIONER OF PUBLIC WORKS, ex officio, Commissioners; J. C. LULLY, Secretary; A. FTELEY, Chief Engineer; E. A. WOLFF, Auditor.

BOARD OF ARMY COMMISSIONERS.

THE MAYOR, Chairman; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary.
Address EDWARD P. BARKER, Staats Zeitung Building, Tryon Row. Office hours, 9 A. M. to 4 P. M.; Saturdays, A. M. to 12 M.

COMMON COUNCIL.

Office of Clerk of Common Council.

No. 8 City Hall, 9 A. M. to 4 P. M.
JOHN H. V. ARNOLD, President Board of Aldermen.
MICHAEL F. BLAKE, Clerk Common Council.

DEPARTMENT OF PUBLIC WORKS

No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS F. GILROY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner (Room A).
ROBERT H. CLIFFORD, Chief Clerk (Room 6).
GEORGE W. BIRDSALL, Chief Engineer (Room 9); JOSEPH RILEY, Water Register (Rooms 2, 3 and 4); WM. M. DEAN, Superintendent of Street Improvements (Room 5); HORACE LOOMIS, Engineer in Charge of Sewers (Room 9); WILLIAM G. BERGEN, Superintendent of Repairs and Supplies (Room 15); WM. H. BURKE, Water Purveyor (Room 1); STEPHEN H. MCCORMICK, Superintendent of Lamps and Gas (Room 11); JOHN J. RYAN, Superintendent of Streets and Roads (Room 12); MICHAEL F. CUMMINGS, Superintendent of Incumbrances (Room 16).

DEPARTMENT OF STREET IMPROVEMENTS

TWENTY-THIRD AND TWENTY-FOURTH WARDS.
No. 2622 Third avenue, northeast corner of One Hundred and Forty-first street. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.
LOUIS J. HEINTZ, Commissioner; JOHN H. J. RONNER, Deputy Commissioner; WM. H. TEN EYCK, Secretary

FINANCE DEPARTMENT.

Comptroller's Office.

No. 15 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
THEODORE W. MYERS, Comptroller; RICHARD A. STORRS, Deputy Comptroller; D. LOWBER SMITH, Assistant Deputy Comptroller.

Auditing Bureau.

Nos. 19, 21, 23 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
WILLIAM J. LYON, First Auditor.
DAVID E. AUSTEN, Second Auditor.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

Nos. 31, 33, 35, 37, 39 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
OSBORNE MACDANIEL, Collector of Assessments and Clerk of Arrears.
No money received after 2 P. M.

Bureau for the Collection of City Revenue and of Markets.

Nos. 1 and 3 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
JOHN A. SULLIVAN, Collector of the City Revenue and Superintendent of Markets.
No money received after 2 P. M.

Bureau for the Collection of Taxes.

No. 57 Chambers street and No. 35 Reade street, Stewart Building, 9 A. M. to 4 P. M.
GEORGE W. MCLEAN, Receiver of Taxes; ALFRED VREDENBURGH, Deputy Receiver of Taxes.
No money received after 2 P. M.

Bureau of the City Chamberlain.

Nos. 25, 27 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
THOMAS C. T. CRAIN, City Chamberlain.

Office of the City Paymaster.

No. 33 Reade street, Stewart Building, 9 A. M. to 4 P. M.
JOHN H. TIMMERMAN, City Paymaster.

LAW DEPARTMENT.

Office of the Counsel to the Corporation.

Staats Zeitung Building, third and fourth floors, 9 A. M. to 5 P. M. Saturdays, 9 A. M. to 12 M.
WILLIAM H. CLARK, Counsel to the Corporation.
ANDREW T. CAMPBELL, Chief Clerk.

Office of the Public Administrator.

No. 49 Beekman street, 9 A. M. to 4 P. M.
CHARLES E. LYDECKER, Public Administrator.

Office of the Corporation Attorney.

No. 49 Beekman street, 9 A. M. to 4 P. M.
LOUIS HANNEMAN, Corporation Attorney.

Office of Attorney for Collection of Arrears of Personal Taxes.

Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.
JOHN G. H. MEYERS, Attorney.
MICHAEL J. DOUGHERTY, Clerk.

HARLEM RIVER BRIDGE COMMISSION

Washington Building, No. 1 Broadway.

POLICE DEPARTMENT

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.
JAMES J. MARTIN, President; CHARLES F. MACLEAN, JOHN McCORMICK and JOHN C. SHEEHAN, Commissioners; WILLIAM H. KIPP, Chief Clerk; T. F. RODENBOUGH, Chief of Bureau of Elections.

DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.

No. 66 Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.
HENRY H. PORTER, President; CHAS. E. SIMMONS, M. D., and EDWARD C. SHEEHY, Commissioners; GEORGE F. BRITTON, Secretary.
Purchasing Agent, FREDERICK A. CUSHMAN. Office hours, 9 A. M. to 4 P. M. Saturdays, 12 M.
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M. Saturdays, 12 M. CHARLES BENN, General Bookkeeper.
Out-Door Poor Department. Office hours, 8.30 A. M. to 4.30 P. M. WILLIAM BLAKE, Superintendent. Entrance on Eleventh street.

DEPARTMENT OF BUILDINGS.

No. 220 Fourth avenue, corner of Eighteenth street, 9 A. M. to 4 P. M.
THOMAS J. BRADY, Superintendent.

FIRE DEPARTMENT.

Office hours for all, except where otherwise noted from 9 A. M. to 4 P. M. Saturdays, 10 to 12 M.

Headquarters.

Nos. 157 and 159 East Sixty-seventh street.
HENRY D. PURROY, President; S. HOWLAND ROBNS and ANTHONY EICKHOFF, Commissioners; CARL JESSEN, Secretary.
HUGH BONNER, Chief of Department; PETER SEERY, Inspector of Combustibles; JAMES MITCHEL, Fire Marshal; WM. L. FINDLEY, Attorney to Department; J. ELLIOT SMITH, Superintendent of Fire Alarm Telegraph.
Central Office open at all hours.

HEALTH DEPARTMENT

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES G. WILSON, President, and JOSEPH D. BRYANT, M. D., the PRESIDENT OF THE POLICE BOARD and HEALTH OFFICER OF THE PORT, ex officio, Commissioners; EMMONS CLARK, Secretary.

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M. Saturdays, 12 M.
PAUL DANA, President; ALBERT GALLUP, ABRAHAM B. TAPPEN and NATHAN STRAUS, Commissioners; CHARLES DE F. BURNS, Secretary.

DEPARTMENT OF DOCKS.

Battery, Pier A, North river.
J. SERGEANT CRAM, President; EDWIN A. POST and JAMES J. PHILAN, Commissioners; AUGUSTUS T. DOCHARTY, Secretary.
Office hours, from 9 A. M. to 4 P. M.

DEPARTMENT OF TAXES AND ASSESSMENTS

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M. Saturdays, 12 M.
EDWARD P. BARKER, President; THOMAS L. FEITNER and EDWARD L. PARRIS, Commissioners; FLOYD T. SMITH, Secretary.

DEPARTMENT OF STREET CLEANING.

Stewart Building. Office hours, 9 A. M. to 4 P. M.
THOMAS S. BRENNAN, Commissioner; WILLIAM DALTON, Deputy Commissioner; J. JOSEPH SCULLY, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Cooper Union, 9 A. M. to 4 P. M.
JAMES THOMSON, Chairman; WILLIAM HILDRETH FIELD and HENRY MARQUAND, Members of the Supervisory Board; LEE PHILLIPS, Secretary and Executive Officer.

BOARD OF ESTIMATE AND APPORTIONMENT

THE MAYOR, Chairman; E. P. BARKER (President, Department of Taxes and Assessments), Secretary; the COMPTROLLER and PRESIDENT OF THE BOARD OF ALDERMEN, Members; CHARLES V. ADDEE, Clerk.
Office of Clerk, Staats Zeitung Building, Room 5.

BOARD OF ASSESSORS.

Office, 27 Chambers street, 9 A. M. to 4 P. M.
EDWARD GILON, Chairman; EDWARD CAHILL, CHARLES E. WENDT and PATRICK M. HAVERTY; WM. H. JASPER, Secretary.

BOARD OF EXCISE.

No. 54 Bond street, 9 A. M. to 4 P. M.
JOSEPH KOCH, LEICESTER HOLME and WILLIAM S. ANDREWS, Commissioners; JAMES F. BISHOP, Secretary.

SHERIFF'S OFFICE.

Nos. 6 and 7 New County Court-house, 9 A. M. to 4 P. M.
JOHN J. GORMAN, Sheriff; JOHN B. SEXTON, Under Sheriff.

COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.
BERNARD F. MARTIN, Commissioner; JAMES E. CONNER, Deputy Commissioner.

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
FRANK T. FITZGERALD, Register; JOHN VON GLAHN, Deputy Register.

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
WILLIAM J. MCKENNA, County Clerk; P. J. SCULLY, Deputy County Clerk.

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park 9 A. M. to 4 P. M.
DE LANCEY NICOLL, District Attorney; EDWARD T. FLYNN, Chief Clerk.

CORONERS' OFFICE.

No. 27 Chambers street, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12.30 P. M.
MICHAEL J. B. MESSEMER, FERDINAND LEVY, LOUIS W. SCHULTZE, JOHN B. SHEA, Coroners; EDWARD F. REYNOLDS, Clerk of the Board of Coroners.

THE CITY RECORD OFFICE,

And Bureau of Printing, Stationery, and Blank Books.
No. 2 City Hall, 9 A. M. to 5 P. M., except Saturdays, on which days 9 A. M. to 12 M.
W. J. K. KENNY, Supervisor; DAVID RYAN, Assistant Supervisor; JOHN J. MCGRATH, Examiner.

COURT OF SPECIAL SESSIONS.

At Tombs, corner Franklin and Centre streets, daily at 10.30 A. M., excepting Saturday.
JAMES P. KEATING, Clerk. Office, Tombs

DEPARTMENT OF PUBLIC PARKS.

DEPARTMENT OF PUBLIC PARKS,
Nos. 49 AND 51 CHAMBERS STREET,
NEW YORK, October 5, 1892.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES FOR THE following-mentioned work, 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, Nos. 49 and 51 Chambers street, until eleven o'clock A. M., on Wednesday, October 19, 1892:
FOR THE CONSTRUCTION OF RETAINING WALL AND APPURTENANCES ON THE WESTERLY LINE OF THE RIVERSIDE PARK, BETWEEN ONE HUNDRED AND NINETEENTH AND ONE HUNDRED AND TWENTY-NINTH STREETS.

The Engineer's estimate of the work to be done, and by which the bids will be tested, is as follows:

- 2,250 cubic yards foundation masonry.
- 3,920 cubic yards wall masonry, including pier.
- 2,470 lineal feet granite coping, including cap for pier.
- 10 cubic yards concrete in foundation.
- 210 lineal feet twelve-inch vitrified stoneware drain-pipe, including concrete foundation and covering.
- 600 lineal feet eighteen-inch vitrified stoneware drain-pipe, including concrete foundation and covering.
- 160 lineal feet twenty-four inch vitrified stoneware drain-pipe, including concrete foundation and covering.

The time allowed for the completion of the whole work will be ONE HUNDRED AND SEVENTY-FIVE CONSECUTIVE WORKING DAYS.

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 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 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 National or State 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 to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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 will in each case be awarded to the lowest bidder.

Blank forms for proposal and forms of the contract which the successful bidder will be required to execute can be had at the office of the Secretary, and the plans can be seen and information relative to them can be had at the office of the Department, Nos. 49 and 51 Chambers street.

ALBERT GALLUP,
NATHAN STRAUS,
PAUL DANA,
ABRAHAM B. TAPPEN,
Commissioners of Public Parks.

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, October 3, 1892.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, 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 at this office until 12 o'clock, on Tuesday, October 18, 1892, at which place and hour they will be publicly opened by the head of the Department.

- No. 1. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT, WITH CONCRETE FOUNDATION, THE ROADWAY OF TWENTY-SEVENTH STREET, from Eleventh to Twelfth avenue (so far as the same is within the limits of grants of land under water).
- No. 2. FOR SEWER IN WOOSTER STREET, east side, between West Fourth street and Washington place, and in WASHINGTON PLACE, between Wooster and Greene streets.
- No. 3. FOR SEWER IN AMSTERDAM AVENUE, west side, between Eighty-ninth and Ninety-second streets.
- No. 4. FOR SEWER IN NINETY-THIRD STREET, between Boulevard and Amsterdam avenue.
- No. 5. FOR SEWER IN ONE HUNDRED AND SEVENTH STREET, between Boulevard and Amsterdam avenue.
- No. 6. FOR SEWER IN ONE HUNDRED AND SIXTY-SIXTH STREET, between Amsterdam and Audubon avenue, WITH CURVES IN AUDUBON AVENUE.

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

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

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Rooms 1 and 9, No. 37 Chambers street.

THOS. F. GILROY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
NO. 37 CHAMBERS STREET,
NEW YORK, August 14, 1892.

TO OWNERS OF LANDS ORIGINALLY ACQUIRED BY WATER GRANTS.

ATTENTION IS CALLED TO THE RECENT act of the Legislature (chapter 449, Laws of 1889), which provides that whenever any streets or avenues in the city, described in any grant of land under water, from the Mayor, Aldermen and Commonalty containing covenants requiring the grantees and their successors to pave, repave, keep in repair or maintain such streets, shall be in need of repairs, pavement or repavement, the Common Council may, by ordinance, require the same to be paved, repaved or repaired, and the expense thereof to be assessed on the property benefited; and whenever the owner of a lot so assessed shall have paid the assessment levied for such paving, repaving or repairing, such payment shall release and discharge such owner from any and every covenant and obligation as to paving, repaving and repairing, contained in the water grant under which the premises are held, and no further assessment shall be imposed on such lot for paving, repaving or repairing such street or avenue, unless it shall be petitioned for by a majority of the owners of the property who shall also be the owners of a majority of the property in frontage on the line of the proposed improvement.

The act further provides that the owner of any such lot may notify the Commissioner of Public Works, in writing, specifying the ward number and street number of the lot that he desires, for himself, his heirs and assigns, to be released from the obligation of such covenants, and elects and agrees that said lot shall be thereafter liable to be assessed as above provided, and thereupon the owner of such lot, his heirs and assigns shall thenceforth be relieved from any obligation to pave, repair, uphold or maintain said street, and the lot in respect of which such notice was given shall be liable to assessment accordingly.

The Commissioner of Public Works desires to give the following explanation of the operation of this act: When notice, as above described, is given to the Commissioner of Public Works, the owner of the lot or lots therein described, and his heirs and assigns, are forever released from all obligation under the grant in respect to paving, repaving or repairing the street in front of or adjacent to said lot or lots, except one assessment for such paving, repaving or repairs, as the Common Council may, by ordinance, direct to be made thereafter.

No street or avenue within the limits of such grants can be paved, repaved or repaired until said work is authorized by ordinance of the Common Council, and when the owners of such lots desire their streets to be paved, repaved or repaired, they should state their desire and make their application to the Board of Aldermen and not to the Commissioner of Public Works, who has no authority in the matter until directed by ordinance of the Common Council to proceed with the pavement, repavement or repairs.

THOS. F. GILROY,
Commissioner of Public Works

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
CITY OF NEW YORK,
NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET,
NEW YORK, October 4, 1892.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE materials and labor and erecting a Steam Warming and Pressure Apparatus in the building of this Department, occupied as Quarters of Engine Company No. 23, at No. 235 West Fifty-eighth street, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M., Wednesday, October 10, 1892, at which time and place they will be publicly opened by the head of said Department and read.

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

For information as to the amount and kind of work to be done, bidders are referred to the specifications and drawings, which form part of these proposals.

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

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

The work is to be completed and delivered within the time specified in the contract.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are fixed and liquidated at ten (10) dollars.

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

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

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

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of seven hundred (700) dollars; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of thirty-five (35) dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

HENRY D. PURROY,
S. HOWLAND ROBBINS,
ANTHONY EICKHOFF,
Commissioners.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the Board of School Trustees for the Twenty-second Ward, at the Hall of the Board of Education, No. 146 Grand street, until 10 o'clock A. M., on Tuesday, October 18, 1892, for Heating the Addition to Grammar School No. 59, on West Fifty-fourth street, between Sixth and Seventh avenues.

JAMES R. CUMING, Chairman,
R. S. TREACY, Secretary,
Board of School Trustees, Twenty-second Ward.
Dated New York, October 5, 1892.

Sealed proposals will also be received at the same place by the Board of School Trustees of the Nineteenth Ward, until 10 o'clock A. M., on Monday, October 17, 1892, for supplying New Furniture, Part I, of the specifications, for the New School Building, corner of Fifty-first street and First avenue.

RICHARD KELLY, Chairman,
L. M. HORNTHAL, Secretary,
Board of School Trustees, Nineteenth Ward.
Dated New York, October 1, 1892.

Plans and specifications may be seen, and blank proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand street, third floor.

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

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

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

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

The party submitting a proposal must include in his proposal the names of all sub-contractors, and no change will be permitted to be made in the sub-contractors named without the consent of the School Trustees and Superintendent of School Buildings.

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 3939, No. 1. Sewer and appurtenances in One Hundred and Seventieth street, from Third to Washington avenue.

List 3943, No. 2. Sewer and appurtenances in St. Ann's avenue, between the Southern Boulevard and One Hundred and Thirty-fourth street.

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

No. 1. Both sides of One Hundred and Seventieth street, from Third to Washington avenue.

No. 2. Both sides of St. Ann's avenue, from the Southern Boulevard to One Hundred and Thirty-fourth street.

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 28th day of October, 1892.

EDWARD GILON, Chairman,
PATRICK M. HAVERTY,
CHARLES E. WENDT,
EDWARD CAHILL,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
NO. 27 CHAMBERS STREET,
NEW YORK, September 28, 1892.

FINANCE DEPARTMENT.

FINANCE DEPARTMENT,
BUREAU FOR THE COLLECTION OF TAXES,
NO. 57 CHAMBERS STREET (STEWART BUILDING),
NEW YORK, October 3, 1892.

NOTICE TO TAXPAYERS.

NOTICE IS HEREBY GIVEN THAT THE Assessment Rolls of Real Estate, Personal Property and Bank Stock in the City and County of New York, for the year 1892, and the warrants for the collection of taxes, have been delivered to the undersigned, and that all the taxes on said assessment rolls are now due and payable at this office.

In case of payment on or before the first day of November next, the person so paying shall be entitled to the benefits mentioned in section 842 of the New York City Consolidation Act of 1882, viz.: a reduction of interest at the rate of 6 per cent. per annum between the day of such payment and the first day of December next.

GEORGE W. MCLEAN,
Receiver of Taxes.

PROPOSALS FOR \$315,455.90 CONSOLIDATED STOCK OF THE CITY OF NEW YORK, KNOWN AS SCHOOL-HOUSE BONDS.

EXEMPT FROM TAXATION.

EXECUTORS, ADMINISTRATORS, GUARDIANS AND OTHERS HOLDING TRUST FUNDS ARE AUTHORIZED BY LAW TO INVEST IN THESE BONDS.

INTEREST THREE PER CENT. PER ANNUM.

SEALED PROPOSALS WILL BE RECEIVED BY the Comptroller of the City of New York, at his office, until Monday, the 10th day of October, 1892, at 2 o'clock P. M., when they will be publicly opened in the presence of the Commissioners of the Sinking Fund, or such of them as shall attend, as provided by law, for the whole or a part of an issue of \$315,455.90 registered.

CONSOLIDATED STOCK

of the City of New York, and known as "School-house Bonds," the principal payable in lawful money of the United States of America, at the Comptroller's office of said city, on the first day of November, in the year 1911, with interest at the rate of three per centum per annum, payable semi-annually on the first day of May and November in each year.

The said stock is issued in pursuance of the provisions of section 132 of the New York City Consolidation Act of 1882, and chapter 264 of the Laws of 1891, for the purchase of new school sites, for the erection of new school buildings, and other school purposes, and is

EXEMPT FROM TAXATION

by the City and County of New York, but not from State taxation, pursuant to the provisions of section 137 of the New York City Consolidation Act of 1882, and under an ordinance of the Common Council of said city, approved by the Mayor, October 2, 1880, and a resolution of the Commissioners of the Sinking Fund, adopted September 14, 1892, and as authorized by resolutions of the Board of Estimate and Apportionment and the Board of Education.

AUTHORITY FOR TRUST INVESTMENTS.

Attention is called to the provisions of an act passed by the Legislature March 14, 1889, authorizing executors, administrators, guardians and trustees, and others holding trust funds to invest such funds in the stocks or bonds of the City of New York.

CONDITIONS.

Section 146 of the New York City Consolidation Act of 1882 provides that "the Comptroller, with the approval of the Commissioners of the Sinking Fund, shall determine what, if any, part of said proposals shall be accepted, and upon the payment into the City Treasury of the amounts due by the persons whose bids are accepted, respectively, certificates therefor shall be issued to them as authorized by law;" and provided also, "that no proposals for bonds or stocks shall be accepted for less than the par value of the same."

Those persons whose bids are accepted will be required to deposit with the City Chamberlain the amount of stock awarded to them at its par value, together with the premium thereon, within three days after notice of such acceptance.

The proposals should be inclosed in a sealed envelope, indorsed "School-house Bonds" of the Corporation of the City of New York, and each proposal should also be inclosed in a second envelope, addressed to the Comptroller of the City of New York.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, September 27, 1892.

INTEREST ON CITY BONDS AND STOCKS.

THE INTEREST DUE NOVEMBER 1, 1892, ON the Registered Bonds and Stocks of the City and County of New York will be paid on that day by the Comptroller at the office of the City Chamberlain, Room 27, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books will be closed from September 30 to November 1, 1892.

The interest due November 1, 1892, on the Coupon Bonds of the City of New York will be paid on that day by the State Trust Company, No. 50 Wall street.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, Sept. 21, 1892.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
NO. 66 THIRD AVENUE,
NEW YORK, September 27, 1892.

THE UNDERSIGNED WILL SELL AT PUBLIC Auction, by order of the Commissioners of Public Charities and Correction, at their office, No. 66 Third avenue, on Monday, October 10, 1892, at 11 o'clock A. M., the following, viz.:

20,000 pounds Mixed Rags, more or less.

150 Iron Bound Barrels, more or less.

120 Syrup Barrels, more or less.

All the above to be received by the purchaser at pier foot of East Twenty-sixth street, "as are," and removed therefrom immediately on being notified that same are ready for delivery. The articles can be examined at Blackwell's Island by intending bidders on any week day before the sale.

Twenty-five per cent. of estimated value to be paid on day of sale, and the remainder on delivery.

F. A. CUSHMAN, Purchasing Agent,
Department of Public Charities and Correction.

COMMISSIONER OF STREET IMPROVEMENTS OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS.

OFFICE OF
COMMISSIONER OF STREET IMPROVEMENTS
OF THE TWENTY-THIRD AND TWENTY-FOURTH WARDS,
NEW YORK, October 3, 1892.

TO CONTRACTORS.

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 3 o'clock P. M., on Tuesday, October 18, 1892, at which place and hour they will be publicly opened.

No. 1. FOR REGULATING, GRADING, SETTING CURB-STONES AND FLAGGING THE SIDEWALKS IN ONE HUNDRED AND THIRTY-SECOND STREET, from Locust avenue to Brook avenue.

No. 2. FOR CROSSWALKS IN AND PAVING WITH TRAP-BLOCK PAVEMENT THE CARRIAGEWAY OF ONE HUNDRED AND FIFTY-SIXTH STREET, from Third to St. Ann's avenue.

No. 3. FOR LAYING CROSSWALKS IN AND PAVING WITH TRAP-BLOCK PAVEMENT THE CARRIAGEWAY OF ROSE STREET, from Third to Bergen avenue.

No. 4. FOR CONSTRUCTING SEWER AND APPURTENANCES IN EAGLE AVENUE, between One Hundred and Forty-ninth street and Westchester avenue.

No. 5. FOR CONSTRUCTING SEWER AND APPURTENANCES IN ONE HUNDRED AND SIXTY-SECOND STREET, from Third avenue to Brook avenue.

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

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

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

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

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

LOUIS J. HEINTZ,
Commissioner of Street Improvements,
Twenty-third and Twenty-fourth Wards.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,
OFFICE OF THE PROPERTY CLERK (Room No. 9),
No. 300 MULBERRY STREET,
NEW YORK, 1891.

OWNERS WANTED BY THE PROPERTY
Clerk of the Police Department of the City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc., also small amount money taken from prisoners and found by patrolmen of this Department.
JOHN F. HARRIOT
Property Clerk

ELECTION NOTICE.

NOTICE IS HEREBY GIVEN, PURSUANT TO section 1839 of chapter 410, Laws of 1882, entitled "An act to consolidate and declare the special and local interests in the City of New York," that at the General Election to be held in this State on the Tuesday succeeding the first Monday of November next, the following municipal officers are to be chosen in the City and County of New York, viz.:

A Mayor, for a term of two years, in place of Hugh J. Grant.

A President of the Board of Aldermen, for a term of two years, in place of John H. V. Arnold.

Thirty Aldermen, for a term of two years, twenty-eight of whom shall be elected as follows: One in each of the first twenty-eight Assembly Districts, as the same now exist, and the remaining two Aldermen shall be elected as follows: One from a district comprising the Twenty-fourth Ward, as said wards now exist by law, said Aldermen being elected under the provision of chapter 408 of the Laws of 1892.

A Register, for a term of three years, in place of Frank T. Fitzgerald.

A County Clerk, for a term of three years, in place of William J. McKenna, who was appointed by the Governor in place of Leonard A. Giegerich, resigned.

A Judge of the Court of Common Pleas for the City and County of New York, for a term of fourteen years, in the place of Leonard A. Giegerich, who was appointed by the Governor in place of Henry Wilder Allen, deceased.

A City Judge, for a term of fourteen years, in place of Rufus B. Cowing.

A Justice of the District Court of the City of New York for the First Judicial District, in place of Wauhope Lynn, who was appointed by the Governor to fill the vacancy caused by the death of Peter Mitchell, and who shall fill the unexpired term thereof which ends on the 1st day of January, 1893.

An Additional Surrogate for the City and County of New York, pursuant to chapter 642 of the Laws of 1892, for the term of fourteen years.

Thirty Members of Assembly, one of whom shall be elected in each of the Assembly Districts as now established by law and whose term of office is one year.

MICHAEL F. BLAKE
Clerk of the Common Council.

DEPARTMENT OF STREET CLEANING.

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 Stewart Building.
THOMAS S. BRENNAN
Commissioner of Street Cleaning.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
COOPER UNION,
NEW YORK, October 6, 1892.

PUBLIC NOTICE IS HEREBY GIVEN THAT open competitive examinations for the positions below mentioned will be held at this office on the dates specified:

October 13. INSPECTOR, in the office of the Mayor's Marshal.

October 17. KEEPER ON AQUEDUCT, Public Works Department.

October 18. COMPUTERS.

Yours, respectfully,
LEE PHILLIPS
Secretary and Executive Officer.

AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 209, STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, October 6, 1892.

TO CONTRACTORS.

BIDS OR PROPOSALS FOR DOING THE work and furnishing the materials called for in the approved form of contract now on file in the office of the Aqueduct Commissioners for Fencing the Boundary of the East Branch Reservoir, north of Milltown Bridge, in the Town of South East, Putnam County, New York, will be received at this office until Wednesday, October 26, 1892, at 2 o'clock P. M., at which place and hour they will be publicly opened by the Aqueduct Commissioners, 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, and form of bonds, and also the plans for said work 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.

J. C. LULLEY
Secretary.

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 INTERVALE AVENUE (although not yet named by proper authority), from the Southern Boulevard to Wilkins place, 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.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned Commissioners of Estimate and Assessment in the above-entitled matter, will be in attendance at our office, No. 51 Chambers street (Room 4), in the said city, on Wednesday, October 26, at one o'clock P. M., to hear any person or persons who may consider themselves aggrieved by our estimate or assessment (an abstract of which has been heretofore filed by us for and during the space of forty days in the office of the Commissioner of Public Works, No. 31 Chambers

street), in opposition to the same; that our said abstract of estimate and assessment may be hereafter inspected at our said office, No. 51 Chambers street; that it is our intention to present our report for confirmation to the Supreme Court, at a Special Term thereof, in the County Court-house in the City of New York, on the 3d day of November, 1892, at the opening of Court on that day, to which day the motion to confirm the same will be adjourned, 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, October 7, 1892.
THOMAS H. WICKES, Chairman,
WILLIAM H. BARKER,
DANIEL SHERRY,
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 ONE HUNDRED AND THIRTY-FIFTH STREET (although not yet named by proper authority), from Convent avenue to Avenue St. Nicholas, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned Commissioners of Estimate and Assessment in the above-entitled matter, will be in attendance at our office, No. 51 Chambers street (Room 4), in the said city, on Wednesday, October 26, at 2 o'clock P. M., to hear any person or persons who may consider themselves aggrieved by our estimate or assessment (an abstract of which has been heretofore filed by us for and during the space of forty days in the office of the Commissioner of Public Works, No. 31 Chambers street), in opposition to the same; that our said abstract of estimate and assessment may be hereafter inspected at our said office, No. 51 Chambers street; that it is our intention to present our report for confirmation to the Supreme Court, at a Special Term thereof, to be held at Chambers street, in the County Court-house in the City of New York, on the 3d day of November, 1892, at the opening of Court on that day, to which day the motion to confirm the same will be adjourned, 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, October 7, 1892.
ANDREW S. HAMMERSLEY, Chairman,
PATRICK FOX,
ROBERT M. VAN ARSDALE,
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 the opening of ONE HUNDRED AND THIRTY-SECOND STREET, from Twelfth avenue to the bulkhead-line, Hudson river, in the Twelfth Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, have been appointed, by an order of the Supreme Court duly made and entered in the above entitled matter, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, 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 the opening of that certain street or avenue, designated as One Hundred and Thirty-second street extending from the westerly line of Twelfth avenue to the bulkhead-line of the Hudson river, and the acquisition of title by the City to the land included within the lines of such street or avenue, as the same was laid out by the Commissioners of Streets and Roads in the City of New York, under and by virtue of the act of the Legislature of the State of New York, entitled "An act relative to improvements touching the laying out of streets and roads in the City of New York, and for other purposes," passed April 3, 1887, and shown upon the map filed by them in the office of the Street Commissioner of the City of New York on April 1, 1887, and as laid out, established and retained by the Board of Commissioners of the Central Park, by and under authority of chapter 667 of the Laws of the State of New York, passed April 1, 1887, as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York, on March 7, 1888, and more particularly set forth and described in the petition of the Board of Street Opening and Improvement and in the order appointing Commissioners, which said petition and order are now on file in the office of the Clerk of the City and County of New York; and for the purpose also of making a just and equitable estimate and assessment of the value of the benefit and advantage of such street or avenue, so to be opened, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the respective lands, tenements, hereditaments and premises not required for the purpose of opening said street or avenue, but deemed by us to be benefited thereby, and for the purpose of executing the trusts and duties imposed upon us as such Commissioners by title 1 of chapter 16 of chapter 410 of the Laws of 1882, 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 by such acts or parts of acts as relate to or prescribe our duties as such Commissioners, passed subsequent thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of the opening of the said street or avenue, or affected thereby and having any claim or demand on account thereof, are hereby required to present to us, duly verified, with such affidavits or other proof as the owners or claimants may desire, at our office, No. 200 Broadway (fifth floor, Room 25), in the City of New York, within thirty days after the date of this notice (October 6, 1892). And we, the said Commissioners, will be in attendance at our said office on the fifteenth day of November, 1892, at two o'clock P. M., of that day, to hear the said parties and persons in relation thereto. And at such time and place, or at such further or other time and place as we may appoint, we will hear such owners and examine the proofs of such claimant 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, October 6, 1892.
JOHN E. WARD, Chairman,
J. P. SOLOMON,
HENRY WINTHROP GRAY,
Commissioners.

CARROLL BERRY, Clerk.

IN RE MULBERRY BEND PARK.

NOTICE TO ALL OWNERS, LESSEES, PARTIES and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the acquisition of title to the lands required for Mulberry Bend Park, as laid out and established by the Board of Street Opening and Improvement, pursuant to the provisions of chapter 320 of the Laws of 1887; and to the respective owners, lessees, parties and persons respectively entitled unto or interested in the respective lands, tenements, hereditaments

and premises embraced within the area of assessment fixed and determined by the said Board of Street Opening and Improvement as the area within which thirty per cent of the expense to be incurred in acquiring the lands for such park shall be assessed.

NEW YORK 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 to certain lands in the Sixth Ward of the City of New York, bounded by Park, Mulberry, Bayard and Baxter streets, for a public park, as laid out by said Board under and in pursuance of chapter 320 of the Laws of 1887, in the City of New York.

We, the undersigned, Commissioners of Estimate in the above entitled matter, hereby give notice pursuant to section 4 of chapter 320 of the Laws of 1887, passed May 13, 1887, that a true report or transcript of our estimate of the loss and damage to the respective owners, lessees, parties and persons, respectively, entitled to or interested in the lands, tenements, hereditaments and premises to which title is sought to be acquired in this proceeding, and of the value of the benefit and advantage to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the respective lands, tenements, hereditaments and premises embraced within the area of assessment fixed and determined by the Board of Street Opening and Improvement of the City of New York as the area within which thirty per cent of the expense to be incurred in acquiring the land required for said park, as laid out and established by the said Board, shall be assessed, has been deposited by us in the office of the Department of Public Parks of the City of New York, for the inspection of whomsoever it may concern; the area, as fixed and determined by the said Board of Street Opening and Improvement, upon which such assessment is levied is bounded and described as follows: Northernly by a line parallel with and distant one hundred feet northerly of the northerly line of Canal street; easterly by a line parallel with and distant one hundred feet easterly of the easterly lines of Bowery, Chatham Square and Park Row; southerly by a line parallel with and distant one hundred feet southerly of the southerly line of Pearl street, and westerly by a line parallel with and distant one hundred feet westerly of the westerly line of Elm street, as such area is shown upon our benefit map deposited as aforesaid with the abstract of our said estimate; and further, 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 Chambers street, in the County Court-house in the City of New York, on the 14th day of November, 1892, 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; and further, that any person or persons whose rights may be affected thereby and who may object to the same, or any part thereof, may, within thirty days after the first publication of this notice (October 6, 1892), set forth their objections to the same in writing, to us, who will receive such objections at our office, No. 200 Broadway (fifth floor, Room 25), at any time within the period mentioned.

Dated New York, October 4, 1892.
GILBERT M. SPEIK, JR., Chairman,
PATRICK H. KERWIN,
LEICESTER HOLME,
Commissioners of Estimate.

CARROLL BERRY, 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 ONE HUNDRED AND THIRTIETH STREET, extending from Lenox to Convent avenue, in the Twelfth Ward, etc.

NOTICE IS HEREBY GIVEN THAT THE BILL of costs, charges and expenses, incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, in the City of New York, on the 11th day of October, 1892, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses have been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, September 27, 1892.
FRANK J. DUPIGNAC,
WILLIAM G. DAVIS,
THOMAS J. MILLER,
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 EAST ONE HUNDRED AND SIXTY-SEVENTH STREET, from the westerly side of Prospect avenue to Westchester avenue, in the Twenty-third Ward of the City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, in the City of New York, on the 11th day of October, 1892, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, September 27, 1892.
JOHN H. ROGAN,
HENRY WINTHROP GRAY,
SAMUEL W. MILBANK,
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 INDEPENDENCE AVENUE (although not yet named by proper authority), extending from Spuyten Duyvil Parkway to Morrison street, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 28th day of June, 1890, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, 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 a certain avenue herein designated as Independence avenue, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks, and filed in the office of the Secretary of State of the State of New York on the 9th day of September, 1889; in the office of the Register of the City and County of New York on the 7th day of September, 1889, and in the office of the Department of Public Parks on the 6th day of September, 1889, and more particularly set forth in the petition of the Board

of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said 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 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, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (September 24, 1892).

And we, the said Commissioners, will be in attendance at our said office on the 27th day of October, 1892, 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 24, 1892.
GEORGE P. WESTER,
JAMES F. HORAN,
WILLIAM H. MARSTON,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Commissioners of Public Parks 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 in fee by the Mayor, Aldermen and Commonality of the City of New York to the gore of land north of ONE HUNDRED AND FIFTY-THIRD STREET, between the Seventh avenue and MacComb's Dam road, in the Twelfth Ward of said city, for the purpose of the construction of a bridge and approaches thereto, with the necessary abutments and arches, across the Harlem river in said city, to replace the present Central or MacComb's Dam Bridge.

PURSUANT TO THE PROVISIONS OF CHAPTER 207 of the Laws of 1890, as amended by chapters 13 and 552 of the Laws of 1892, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers street, in the County Court-house in the City of New York, on Tuesday, the 11th day of October, 1892, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above-entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title in fee in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, to a certain gore of land, with the buildings thereon and the appurtenances thereto belonging, north of One Hundred and Fifty-third street, between the Seventh avenue and MacComb's Dam Road, in the Twelfth Ward of said city, for the purpose of the construction of a bridge and approaches thereto, with the necessary abutments and arches, across the Harlem river in said city, to replace the present Central or MacComb's Dam Bridge, as provided by said chapter 207 of the Laws of 1890, as amended by said chapters 13 and 552 of the Laws of 1892, being the following described gore, plot, piece or parcel of land, situate, lying and being in the Twelfth Ward of the City of New York, and bounded and described as follows:

Beginning at the intersection of the westerly line of the Seventh avenue with the northerly line of One Hundred and Fifty-third street, and running thence westerly on said northerly line of One Hundred and Fifty-third street, two hundred and fifty-two feet (252) to the easterly line of the MacComb's Dam Road; thence northeasterly on the said easterly line of the MacComb's Dam Road, one hundred and twenty-eight and fifty-eight one-hundredths feet (128 58/100) to a point on the said easterly line distant one hundred and ninety and ninety-five one-hundredths feet (190 95/100) from the westerly line of the Seventh avenue, and at right angles to said westerly line of the Seventh avenue; thence northeasterly, continuing along said easterly line of the MacComb's Dam Road, three hundred and seventy-two and twenty-nine one-hundredths feet (372 29/100) to the point of intersection of the easterly line of the MacComb's Dam Road with the westerly line of the Seventh avenue; thence southerly, on the said westerly line of the Seventh avenue, four hundred and thirty-two and seventy-two one-hundredths feet (432 72/100) more or less to the place of beginning.

Dated New York, September 13, 1892.
WILLIAM H. CLARK,
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 Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to CEDAR PLACE (although not yet named by proper authority), extending from Eagle avenue to Union 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.

NOTICE IS HEREBY GIVEN THAT WE, THE undersigned, were appointed by an order of the Supreme Court, bearing date the 28th day of June, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, 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 a certain street or avenue, herein designated as Cedar place, as shown and delineated on a certain map made under authority of chapter 321 of the Laws of 1888, and filed in the office of the Register of Westchester County at White Plains, on February 23, 1891, and more particularly set forth in the petition of the Board of Street Opening and Improvement filed in the office of the Clerk of the City and County of New York; 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, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (September 24, 1892).

And we, the said Commissioners, will be in attendance at our said office on the 28th day of October, 1892, 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 claimants 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 24, 1892.
 GEORGE P. WEAVER,
 J. RHINELANDER DILLON,
 WILLIAM H. MARSTON,
 Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of Thomas F. Gilroy, Commissioner of Public Works 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 certain pieces or parcels of land and the title thereto, wherever the same have not heretofore been acquired for the use of the public for the purposes of sewerage and drainage, pursuant to section 327, chapter 410, Laws of 1882, as amended by chapter 423, Laws of 1883, and chapter 31, Laws of 1892, between the easterly termination of One Hundred and Sixty-seventh street and the Harlem river, in the Twelfth 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 June, 1892, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, 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 the acquisition of title to certain pieces or parcels of land, wherever the same have not heretofore been acquired, for the use of the public, for the purposes of sewerage and drainage, pursuant to section 327, chapter 410, Laws of 1882, as amended by chapter 423, Laws of 1883, and chapter 31, Laws of 1892, being strips of land about 20 feet in width, with the buildings thereon and the appurtenances thereto belonging, between the easterly termination of One Hundred and Sixty-seventh street and the United States Channel or bulkhead-line, Harlem river, in the Twelfth Ward of the City of New York, being the following described lots, pieces, or parcels of land, viz:

Beginning at a point at the intersection of the centre line of One Hundred and Sixty-seventh street with the westerly line of Edgecombe road;

Thence easterly in a line radial to the curve of said road, and deflecting to the left from the centre line of One Hundred and Sixty-seventh street, produced, 30° and 3', distance 100 feet to the easterly line of Edgecombe road;

Thence northeasterly and deflecting from the radial line of said curve to the left 51° 41' and 30", distance 93 3/100 feet;

Thence deflecting to the right 38° 43' and 20", distance 21 40/100 feet;

Thence deflecting to the left 89° and 55', and northerly along the line of the land of the Mayor, Aldermen and Commonality of the City of New York, occupied by the Croton Aqueduct, distance 20 feet;

Thence westerly 25 45/100 feet and parallel with the last but one mentioned direction;

Thence deflecting to the left 35° 43' and 20", distance 90 53/100 feet;

Thence deflecting to the right 51° 41' and 30", said direction being parallel and distant 20 feet northerly from the first curve given on the radial line of the Edgecombe road, distance 90 10/100 feet to the westerly line of Edgecombe road;

Thence southerly along said line 20 1/100 feet to the point or place beginning;

Also, beginning at a point in the westerly line of the land of the Mayor, Aldermen and Commonality of the City of New York, now occupied by the Croton Aqueduct, said point being described and located as follows, viz:

Beginning at a point in the easterly line of Edgecombe road 177 99/100 feet northerly from the initial point of the first curve northerly from One Hundred and Sixty-fifth street;

Thence northeasterly and deflecting from the radial line of said curve to the left 51° 41' and 30", distance 93 3/100 feet;

Thence deflecting to the right 38° 43' and 20", distance 21 40/100 feet, to the land now occupied by the Croton Aqueduct, as aforesaid, being the point in the westerly line and the place of beginning;

Thence easterly and in continuation of the line last described as being to the land now occupied by the Croton Aqueduct, distance 90 feet;

Thence deflecting to the left 89° 55', and northerly along the easterly line of the land of the Mayor, Aldermen and Commonality of the City of New York, occupied by the Croton Aqueduct, distance 20 feet;

Thence westerly and parallel with the last but one mentioned direction, distance 90 feet, to the westerly line of the land now occupied by the Croton Aqueduct;

Thence southerly along said westerly line of the land now occupied by the Croton Aqueduct, distance 20 feet, to the place of beginning;

Also, beginning at a point in the easterly line of the land of the Mayor, Aldermen and Commonality of the City of New York, now occupied by the Croton Aqueduct, said point being described and located as follows, viz:

Beginning at a point in the easterly line of Edgecombe road 177 99/100 feet, northerly from the initial point of the first curve northerly from One Hundred and Sixty-fifth street;

Thence northeasterly and deflecting from the radial line of said curve to the left 51° 41' and 30", distance 93 3/100 feet;

Thence deflecting to the right 38° 43' and 20", distance 21 40/100 feet to and through the land now occupied by the Croton Aqueduct, as aforesaid, being the point in the easterly line and the place of beginning;

Thence easterly and in continuation of the line last described as being to and through the land now occupied by the Croton Aqueduct, distance 165 90/100 feet;

Thence deflecting to the right 31° and 8', distance 134 8/100 feet;

Thence deflecting to the left 21° and 5' (said direction being at right angles to Tenth avenue), distance 206 86/100 feet to the United States Channel or bulkhead-line, Harlem river, passing through the Exterior street as established by the Commissioners of the Sinking Fund of the City of New York and shown upon a map dated August 31, 1887;

Thence northerly along said United States Channel or bulkhead-line, distance 20 7/100 feet;

Thence westerly and parallel with the last but one mentioned direction and at right angles to Tenth avenue, distance 201 64/100 feet;

Thence deflecting to the right 21° and 5', distance 135 92/100 feet;

Thence deflecting to the left 31° and 8', distance 171 91/100 feet to the easterly line of the land of the Mayor, Aldermen and Commonality of the City of New York, now occupied by the Croton Aqueduct;

Thence southerly along said easterly line for a distance of 20 feet to the point or place of beginning.

—and more particularly set forth in the aforesaid order of appointment and the application and petition of the Commissioner of Public Works filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said avenue, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them 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 avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at our office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (September 24, 1892).

And we, the said Commissioners, will be in attendance at our said office on the 24th day of October, 1892, 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 claimants 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 24, 1892.
 ANDREW S. HAMERSLEY, JR.,
 HENRY HUGHES,
 OLIVER B. STOUT,
 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 have not been heretofore acquired, to ONE HUNDRED AND FORTY-FOURTH STREET, from Amsterdam avenue to Convent avenue, in the Twelfth 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 20th day of January, 1892, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, 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 a certain street herein designated as One Hundred and Forty-fourth street, as shown and delineated on a certain map of the City of New York, made by the Commissioners of Streets and Roads of the City of New York, filed in the office of the Street Commissioner of the City of New York April 4, 1891, and as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York on March 7, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said 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 them 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 avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at our office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (September 10, 1892).

And we, the said Commissioners, will be in attendance at our said office on the 18th day of October, 1892, 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 claimants 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 10, 1892.
 CHAUNCEY S. IRUAX,
 APPLETON L. CLARK,
 HENRY G. CASSIDY,
 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 have not been heretofore acquired, to ONE HUNDRED AND SEVENTY-THIRD STREET, from Tenth avenue to the Kingsbridge road, 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. 51 Chambers street (Room 4), in said city, on or before the 14th day of October, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 14th day of October, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 3 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 his office, No. 31 Chambers street, in the said city, there to remain until the 15th day of October, 1892.

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: Northerly by the centre line of the block between One Hundred and Seventy-third and One Hundred and Seventy-fourth streets; easterly by the westerly line of Tenth avenue; southerly by the centre line of the blocks between One Hundred and Seventy-second and One Hundred and Seventy-third streets; westerly by the easterly line of Kingsbridge road and the easterly line of Wadsworth avenue; excepting from said area all the land included within the lines of streets, avenues and roads, or portions thereof, heretofore legally opened as such area 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 31st day of October, 1892, 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 26, 1892.
 WM. A. DUER, Chairman,
 WILLIAM H. WILLIS,
 SAMUEL W. MILBANK,
 Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Commissioners of the Department of Public Parks, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same have not been heretofore acquired, to that part of TREMONT AVENUE (although not yet named by proper authority), extending from Aqueduct avenue to Boston Road, in the Twenty-fourth Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by said Department.

NOTICE IS HEREBY GIVEN THAT THE BILL of costs, charges and expenses incurred by reason of the proceedings in the above entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof in the County Court-house, in the City of New York, on the 8th day of October, 1892, at 10:30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated New York, September 26, 1892.
 JOHN WHALEN, Chairman,
 JOHN HALLORAN,
 G. RADFORD KELSO,
 Commissioners.

CARROLL BERRY, 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 INTERVALE AVENUE (although not yet named by proper authority), from the Southern Boulevard to Wilkins place, 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 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. 51 Chambers street (Room 4), in said city, on or before the 5th day of October, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 5th day of October, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 10 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 his office, No. 31 Chambers street, in the said city, there to remain until the 6th day of October, 1892.

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: Northerly by a line parallel to the northerly line of Charlotte place, and distant 50 feet northerly therefrom from Stebbins avenue to the Southern Boulevard; easterly by the westerly side of the Southern Boulevard, from the intersection of the northern boundary line with said westerly side of the Southern Boulevard to a point 100 feet south of the southerly side of Freeman street; thence westerly on a line parallel to Freeman street to a point 100 feet east of the easterly line of Intervale avenue; thence southerly along a line parallel to Intervale avenue and distant 100 feet easterly therefrom to a point 100 feet north of the northerly line of Westchester avenue; thence easterly and parallel to and distant 100 feet northerly from the northerly line of Westchester avenue to the westerly side of Tiffany street; thence southerly along the westerly side of Tiffany street to the northerly side of the Harlem River and Portchester Railroad; thence westerly along the northerly side of said railroad to the easterly side of Ely street; thence northerly along the easterly side of Ely street to the southerly side of the Southern Boulevard; thence easterly along said southerly side of Southern Boulevard to the intersection of the easterly line of Lane avenue prolonged southerly to the southerly side of the Southern Boulevard; thence northerly along said easterly line of Lane avenue to the southerly side of Beck street; thence northerly on a line drawn from the intersection of the easterly line of Lane avenue with the southerly side of Beck street and parallel to Intervale avenue to the easterly side of Stebbins avenue; thence northerly along the easterly side of Stebbins avenue to a point 100 feet north of Westchester avenue; thence easterly on a line parallel to the northerly line of Westchester avenue and distant 100 feet northerly therefrom to a point 100 feet west of Intervale avenue; thence northerly on a line parallel to and distant 100 feet westerly from the westerly line of Intervale avenue to a point 100 feet south of the southerly line of Freeman street; thence westerly and parallel to and distant 100 feet southerly from the southerly line of Freeman street to the easterly line of Stebbins avenue; thence northerly along the easterly line of Stebbins avenue to its intersection with a line drawn parallel to and distant 50 feet northerly from the northerly line of Charlotte place, being the northerly boundary line first mentioned, excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area 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 twentieth day of October, 1892, 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 17, 1892.
 THOMAS P. WICKES,
 Chairman,
 WILLIAM H. BARKER,
 DANIEL SHERRY,
 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 the opening of CATHEDRAL PARKWAY, by widening and enlarging One Hundred and Tenth street, between Seventh avenue and Riverside Park, so as to conveniently connect thereby, and by appropriate entrances in connection therewith, Central Park, Morningside Park and Riverside Park in the City of New York, pursuant to chapter 275 of the Laws of 1891, passed April 28, 1891.

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. 51 Chambers street (Room 4), in said city, on or before the 22d day of October, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 22d day of October, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 10:30 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 his office, No. 31 Chambers street, in the said city, there to remain until the 24th day of October, 1892.

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: Northerly by the centre line of the blocks between One Hundred and Sixteenth and One Hundred and Seventeenth streets; easterly by a line parallel with the easterly line of Sixth avenue and 100 feet distant therefrom, to the centre line of the block between One Hundred and Tenth and One Hundred and Eleventh streets, and running thence along said centre line to the westerly side of Fifth avenue; thence along the westerly side of Fifth avenue to the centre line of the block between One Hundred and Fourth and One Hundred and Third streets prolonged; southerly by the centre line of the blocks between One Hundred and Third and One Hundred and Fourth streets; westerly by the Hudson river; excepting from said area all the land included within the lines of streets, avenues and roads, or portions thereof, heretofore legally opened, as such area 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 10th day of November, 1892, 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 9, 1892.
 EUGENE S. IVES, Chairman,
 JOHN CONNELLY,
 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 ONE HUNDRED AND THIRTY-FIFTH STREET (although not yet named by proper authority), from Convent avenue to Avenue St. Nicholas, 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. 51 Chambers street (Room 4), in said city, on or before the 5th day of October, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 5th day of October, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 11 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 his office, No. 31 Chambers street, in the said city, there to remain until the 6th day of October, 1892.

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: Northerly by the centre line of One Hundred and Thirty-sixth street, from Convent avenue to St. Nicholas Terrace; thence northeasterly by the easterly line of St. Nicholas Terrace to the centre line of One Hundred and Thirty-eighth street; thence northerly by the centre line of One Hundred and Thirty-eighth street, easterly by the westerly line of Avenue St. Nicholas, southerly by the centre line of the block between One Hundred and Thirty-first and One Hundred and Thirty-second streets, from Avenue St. Nicholas to St. Nicholas Terrace; thence northwesterly by the easterly line of St. Nicholas Terrace to the centre line of the block between One Hundred and Thirty-second and One Hundred and Thirty-third streets; thence southerly by last mentioned centre line to the easterly line of Convent avenue, westerly by the easterly line of Convent avenue, excepting from said area all the land included within the lines of streets, avenues and roads, or portions thereof, heretofore legally opened, as such area 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 20th day of October, 1892, 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 17, 1892.
 ANDREW S. HAMERSLEY, JR., Chairman,
 PATRICK FOX,
 Commissioners.

JOHN P. DUNN, Clerk.

THE CITY RECORD.

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 W. J. K. KENNY,
 Supervisor