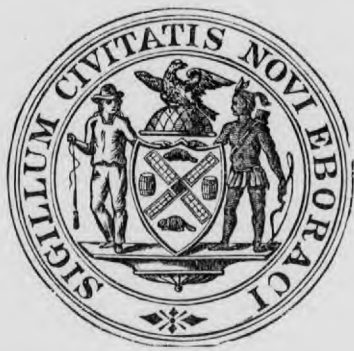


THE CITY RECORD.

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DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending June 30, 1891.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, July 24, 1891.

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 Work for the quarter ended June 30, 1891 :

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation (Consolidation Act of 1882, section 189)	\$867,255 54
On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150)	352,737 59
On account of Funded Debt, for improvement and extension of water supply (Consolidation Act, section 141)	49,470 73
On account of Repavement Fund (chapter 346, Laws of 1889)	84,585 93
On account of Criminal Court-house Fund (chapter 371, Laws of 1887, section 8) ..	62,910 00
On account of Fund for One Hundred and Fifty-fifth Street Viaduct (Consolidation Act, section 144, and chapter 576, Laws of 1887)	37,601 72
On account of Fund for Public Building, Twelfth Ward (chapter 487, Laws of 1890)	19,176 46
On account of Special Fund, for restoring pavements over street openings (Revised Ordinances of 1880, sections 354 to 357)	10,824 63
On account of Revenue Bonds, for furnishing and setting water-meters (Consolidation Act, sections 161 and 352)	4,678 55
Total	\$1,489,241 15

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

19 sewer contracts, estimated cost	\$147,237 00
25 regulating and grading contracts, estimated cost	51,484 72
25 paving contracts, assessment work, estimated cost	166,614 01
36 repaving contracts, estimated cost	1,100,622 75
1 contract for laying water-mains, estimated cost	41,753 10
8 contracts for fencing vacant lots, estimated cost	2,257 92
8 miscellaneous contracts, estimated cost	38,670 75
122 contracts, total estimated cost	\$1,548,640 25

Contracts Completed during the Quarter.

19 sewer contracts, cost	\$104,965 41
12 regulating and grading contracts, cost	13,988 55
30 paving contracts, assessment work, cost	114,583 96
16 repaving contracts, cost	165,577 72
1 contract for laying water-mains, cost	11,528 00
2 contracts for fencing vacant lots, cost	706 28
7 miscellaneous contracts, cost	40,810 85
87 contracts, total cost	\$452,160 77

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

The rain-fall in the Croton water-shed for the past three months was not sufficient to supply the Aqueducts with the full supply of water required for the City's supply by the natural flow of the Croton river, and there were 42 days when the flow of the river had to be supplemented by draughts upon the water stored in the reservoirs and lakes.

The rain-fall at the several stations where rain-gauges are kept by the Department was as follows :

LOCATIONS.	APRIL. INCHES.	MAY. INCHES.	JUNE. INCHES.	TOTAL INCHES.
Boyd's Corners Reservoir	3.77	1.36	1.81	6.94
Middle Branch Reservoir	2.76	1.50	2.30	6.76
Kensico Reservoir	2.43	1.97	0.65	5.05
Croton Dam	2.66	2.30	2.32	7.28
Central Park Reservoir	2.42	1.86	1.22	5.50

The following is the quantity of water drawn from storage reservoirs and lakes in the Croton basin :

	Gallons.
From Middle Branch Reservoir	470,000,000
From Boyd's Corners Reservoir	210,000,000
From Lake Kirk	120,000,000
From Barrett Pond	20,000,000
Total	820,000,000

Steady progress has been made with the construction of Reservoir A on the Muscoot river, which is being built by this Department. Additional lands are required for this reservoir, and the legal proceedings for acquiring these lands are in progress.

For Reservoir D, on the west branch of the Croton river, and Reservoir M, on the Titicus river, which are being built under the direction of the Aqueduct Commissioners, the Department has furnished the Commissioners the necessary plan sheets, maps and surveys.

For several years prior to the introduction of water in the New Aqueduct, the necessities of the City required that the Bronx river water-shed be drawn upon to its utmost capacity, and at a rate exceeding the normal average supply which the water-shed could be relied upon to furnish at all times. Since the acquisition of the additional supply through the New Aqueduct, however, the supply drawn from the Bronx river has been reduced to its normal and permanent capacity, which is about 10,000,000 gallons per day. This quantity has been steadily furnished through the Bronx river conduit during the quarter, and even at this reduced rate 450,000,000 gallons of stored water had to be drawn from the Kensico Reservoir to supplement the natural flow of the Bronx river.

Surveys are still in progress to define the lands and water rights required for diverting the water of the Byram river and Byram Pond into the Bronx river conduit. The report of the Commissioners appointed by the Supreme Court to appraise the lands and damages necessary for the Byram river conduit to the Kensico Reservoir has been confirmed.

A continuous supply has been received through the New Croton Aqueduct, except during seven days in April, when necessary interior repairs and examinations were made. Mr. George W. Birdsall, the Chief Engineer of the Croton Aqueduct, states in his report, hereto annexed, that, from all the information he can obtain, the New Aqueduct is now in good working order. The Aqueduct Commissioners turned over the entire structure to this Department at the close of the quarter, June 30, with the exception of Shafts Nos. 21, 24 and 25, where construction work was then still in progress.

The ordinary work for the care and maintenance of the Old Croton Aqueduct and appurtenances, the streams, reservoirs, lakes and dams which are tributary to the City's water supply, and the distributing reservoirs in Central Park and at Forty-second street has been supplemented by several special works of improvement. The largest of these is the excavating of the Old Central Park Reservoir to a greater and more uniform depth. By May 1 it had sufficiently progressed to begin the necessary mason and concrete work, which has since satisfactorily progressed. Another special work is the changing of the pipes, gate-houses and connections at One Hundred and Thirty-fifth street. It has been considerably delayed on account of the interruption of the flow through the New Aqueduct, while the interior repairs and examinations were made, and by the construction of sewers on each side of the aqueduct pipes on Amsterdam avenue.

A full and detailed description of the aqueduct maintenance work on the several divisions will be found in the report of the Chief Engineer of the Croton Aqueduct, hereto annexed.

In extending and improving the water service throughout the City 6,326 lineal feet of 36-inch mains, 614 lineal feet of 20-inch mains, 1,394 lineal feet of 12-inch mains, and 17,104 lineal feet of 6-inch mains have been laid, making a total of 4.82 miles of water-mains added to the distributing system. In connection with these additional water-mains 39 stop-cocks and 46 fire-hydrants have been placed.

The average daily water supply now received and distributed in the City is : Through the New Aqueduct, 78,000,000 gallons, through the Old Aqueduct, 70,000,000 gallons, through the Bronx river conduit, 10,000,000 gallons ; total, 158,000,000 gallons.

With the advent of the hot and dry season, which came much earlier this year than usual, the daily consumption of water has been increased by 10,000,000 gallons, much of which must be attributed to extravagant and wasteful use of the water. This increased consumption of water which produces corresponding decrease of pressure in the distributing mains is most severely felt in the high-service districts, having an elevation of 60 feet or more above mean tide, and where the supply is of necessity limited to the capacity of the high-service pumping-engines, which are now operated to their full power. The residents in these districts can, therefore, not expect any further increase of supply and pressure unless other additional pumping-engines are placed and operated.

ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

The work on the foundations for the columns and abutments of this structure has been vigorously prosecuted, and the foundations will be ready for the iron work by September next. The temporary approach from the head of Seventh avenue to McComb's Dam Bridge, which became necessary to remove obstructions in the way of the work for the viaduct and approaches, has been completed.

BUREAU OF WATER PURVEYOR.

In April last the average force employed in making repairs to street pavements throughout the City consisted of 71 mechanics, 85 laborers, 18 carts and 2 teams, and with the advance of the season, the force was gradually increased to 220 mechanics, 240 laborers, 74 carts and 3 teams. This force relaid during the quarter 97,641 square yards of pavement. This work was supplemented by contract work in taking up and relaying pavements from curb to curb and for distances of one or more blocks. This method of repairs was applied on 13 different streets, in which 52,629 square yards of pavements were taken up and relaid during the quarter. In these repairs 18,304 square yards of old Belgian blocks were removed and replaced with the oblong specification trap-blocks.

The repavement work or the laying of new pavements in place of old and worn-out ones is divided into three classes : (1) repavements made under the regular annual appropriation in pursuance of section 321 of the New York City Consolidation Act ; (2) repavements made under the one million dollar appropriation authorized by chapter 346, Laws of 1889, and (3) repavements made under the Land Grant Act, chapter 449, Laws of 1889, and paid for by local assessments on the abutting property. Nearly all the repavement work for this year under the three classes was well in hand and under way before the close of the quarter, and new pavements were laid as follows :

Under the regular annual appropriation 29,411 square yards of granite-block pavement and 4,284 square yards of asphalt pavement.

Under the million dollar appropriation 27,236 square yards of granite-block pavement and 22,560 square yards of asphalt pavement.

Under the Land Grant Act 20,135 square yards of granite-block pavement, 1,895 square yards of trap-block pavement and 3,300 square yards of asphalt pavement.

The total repavement work completed during the quarter is 76,782 square yards of granite blocks, 1,895 square yards of trap-blocks and 30,144 square yards of asphalt.

The first pavements, payable by local assessments on the abutting property, were laid on 19 different uptown streets, and include 36,473 square yards of granite-block pavement, 2,722 square yards of trap-block pavement and 9,488 square yards of asphalt pavement.

The City now has, exclusive of the Twenty-third and Twenty-fourth Wards, 367.53 miles of paved streets, covering an area of 8,453,651 square yards.

The excavations made in the public streets for the purposes of private corporations, including gas companies, electric-light companies, the New York Steam Company, the electrical subway construction companies and the street railroad companies continue to increase in number and extent. The construction of the cable railways on Third avenue and on Broadway was begun this spring, though much later than the Department desired and anticipated. This construction work necessarily causes great and prolonged disruption of the carriageways of these two great thoroughfares, with consequent and unavoidable obstruction to wagon traffic and temporary discomfort to the business people and residents on the lines of these roads, but one great and good result may be anticipated, and will be accomplished on the completion of the two cable railways, viz.: That for a number of years after the roads are completed and the new pavements are laid it will not be necessary to tear up these streets for the purposes of underground structures, because the Department is making it a special object that all such work shall be done simultaneously or in advance of the construction of the cable railroads. The following summary shows the extent of the operations of private corporations and individuals in excavating the public streets for underground structures, conduits and connections and for surface railroad construction:

6,748 excavations made for laying and repairing gas-mains, steam-pipes, electric subways and their house connections.

15.38 miles of gas-mains laid.

20.13 miles of trench opened for subway construction.

1,313 lineal feet of steam-pipe laid.

1,194 lineal feet of salt-water mains laid.

2,700 lineal feet of double car-tracks laid.

200 lineal feet of single car-tracks laid.

8,368 lineal feet of street opened for cable railway construction.

In the repairs of water-mains, stop-cocks and fire-hydrants throughout the City an average force of 37 mechanics, 90 laborers and 15 carts has been employed, and in connection with this work, 168 old fire-hydrants were replaced with new ones.

During the month of April the public drinking-hydrants were all placed in good order, and the water turned on after the hydrants had been closed for the winter season. 12 additional drinking-hydrants were placed as directed by resolutions of the Common Council, 3 new drinking-hydrants were substituted for old ones and 31 drinking-hydrants were repaired.

OFFICE OF THE ENGINEER IN CHARGE OF SEWERS.

During the quarter work was in progress on 35 contracts for the construction of sewers and receiving-basins, and 13,181 lineal feet of new sewers, and 23 new receiving-basins were built. The sewerage system of the City, exclusive of the Twenty-third and Twenty-fourth Wards, now consists of 440.49 miles of sewers, with 5,279 receiving-basins.

The following are the principal items of work done in repairing and cleaning sewers and basins:

1,433 receiving-basins and culverts cleaned.

15,520 lineal feet of sewers cleaned.

282,079 lineal feet of sewers examined.

41 lineal feet of new sewer built.

120 lineal feet of brick sewer rebuilt.

54 lineal feet of new pipe culvert laid.

360 manhole heads reset.

30 new manhole heads and 51 new manhole covers placed.

10 new granite basin-heads placed.

43 new basin covers placed.

3,639 cart-loads of sewer deposits removed.

BUREAU OF STREET IMPROVEMENTS.

During the quarter work was in progress on 26 contracts for regulating and grading streets, setting curb-stones and flagging sidewalks, and the following aggregate quantities of work were done:

10,100 cubic yards of earth excavated.

14,778 cubic yards rock excavated.

69,554 cubic yards filling placed in embankments.

5,040 lineal feet curb-stones set.

2,045 lineal feet curb-stones reset.

29,063 square feet new flagging laid.

2,014 square feet flagging relaid.

482 cubic yards rubble masonry built.

In fencing vacant lots in pursuance of ordinances of the Common Council, 1,566 lineal feet of picket fence was built.

BUREAU OF STREETS AND ROADS.

The care, repairs and maintenance of the macadam roadways and of the unpaved streets in the upper part of the City, which are under the charge of this Bureau, have received due attention. An average force of 18 mechanics, 113 laborers, 34 teams and 8 carts has been employed on this work.

Under a contract which is nearly completed, the entire superstructure of the roadway of Seventh avenue, from One Hundred and Tenth to One Hundred and Forty-fifth street is being renewed, and this will place this favorite drive in as good condition as when first built.

BUREAU OF LAMPS AND GAS.

The following changes were made in the public lamps during the quarter:

325 new gas-lamps placed and lighted.

66 new electric-lamps placed and lighted.

255 old gas-lamps and 7 electric-lamps relighted.

777 gas-lamps displaced by electric-lights and discontinued.

At the close of the quarter there were 26,634 gas-lamps, 1,108 electric-lights and 138 naphtha-lamps in use on the streets, parks, places, bridges and docks of the City.

BUREAU OF REPAIRS AND SUPPLIES.

There has been considerable delay in the work of building the New Criminal Court-house on the block bounded by Centre, Elm, Franklin and White streets, owing to labor strikes and the difficulty of obtaining the very large blocks of cut granite which the plan and specifications call for. The exterior walls are now from 9 to 18 feet above the street level and the interior masonry work has progressed considerably further.

The construction of the new Court-house in Harlem at One Hundred and Twenty-first street and Sylvan place was begun March 16, and has since progressed favorably. The excavations for the cellars and areas have been completed; the concrete and stone foundations for exterior and interior walls, piers and columns have been placed, and the brick and iron work of the cellar, including columns and girders, has been finished.

For the details of the repairs, alterations and improvements made in the various public buildings and offices under the charge of the Department, and the numerous items of office supplies and furniture supplied to the various offices and courts, I beg to refer to the report of the Superintendent of Repairs and Supplies hereto annexed.

The 15 free floating baths now owned by the City were all thoroughly repaired and equipped for the present bathing season, and were put in their respective berths and opened to the public between the dates of June 5 and 24.

BUREAU OF INCUMBRANCES.

The work of this Bureau for the quarter is summarized as follows:

1,306 complaints of obstructions received and attended to.

1,337 seizures and removals of obstructions made.

363 cart-loads of dirt, stone and other refuse material removed from streets.

183 dead and dangerous shade-trees, stumps, etc., removed.

589 telegraph poles and about 705 miles of electric wires removed.

2,614 permits issued to place building materials on streets.

406 miscellaneous permits issued.

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 \$776,859 85
For penalties on water rents 1,644 70
For permits to tap water-mains 3,968 50

Total \$782,473 05

MISCELLANEOUS REVENUE.

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

For sewer permits \$8,657 82
For vault permits 34,261 37
For redemption of street obstructions 614 00
For articles sold at auction 881 94
For work and materials furnished citizens 427 50
For use of road rollers 6 00
For restoration of pavements over street openings 12,536 61
For furnishing and setting water-meters 2,747 44

Total \$60,132 68

For further detailed information of the transactions of the Department, I beg to refer to the following documents appended to this report:

Document A—Statement of appropriations and expenditures.

Document B—Detailed statement of expenditures.

Document C—Detailed 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 and Transfers of 1890; Requisitions on 1890 to April 1, 1891; Requisitions on 1890 in Second Quarter, 1891; Balances of 1890 on July 1, 1891; Appropriations with Transfers, 1891; Requisitions, First Quarter, 1891; Requisitions, Second Quarter, 1891; Balances July 1, 1891; the Titles and Expenditures on Trust and Special Accounts and Receipts for the First Six Months, 1891.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1890.	REQUISITIONS FROM JANUARY 1, 1890, TO APRIL 1, 1891.	REQUISITIONS ON LIABILITIES OF 1890, DURING SECOND QUARTER, 1891.	BALANCES OF 1890, ON JULY 1, 1891.	APPROPRIATIONS WITH TRANSFERS FOR 1891.	REQUISITIONS, FIRST QUARTER, 1891.	REQUISITIONS, SECOND QUARTER, 1891.	BALANCES, JULY 1, 1891.
Aqueduct—Repairs, Maintenance and Strengthening—								
Care, Maintenance and Repairs.....	\$120,000 00	\$168,189 56	\$35 00	\$11,175 44	.....	.....	.....	.....
Completing the Excavation in the Old Central Park Reservoir.....	128,500 00	41,427 00	25,425 00	61,648 00	.....	.....	.....	.....
Building New Gate-house and Removing the Old Gate-house.....	21,000 00	.....	.....	21,000 00	.....	.....	.....	.....
Care, Maintenance and Repairs, including repairs to Old Aqueduct.....	.....	.....	.....	.....	\$200,000 00	\$32,794 05	\$37,790 55	\$129,415 40
Concrete and Facing with Masonry the Old Central Park Reservoir.....	.....	.....	.....	.....	70,000 00	.....	.....	70,000 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	27,000 00	25,693 39	.....	1,306 61	27,850 00	6,620 84	6,636 84	14,592 32
Boring Examinations for Grading and Sewer Contracts.....	3,600 00	3,590 05	.....	3 95	3,600 00	1,087 00	840 50	1,200 00
Boulevards, Roads and Avenues, Maintenance of.....	105,000 00	104,880 50	.....	119 50	.....	.....	.....	.....
General Account, including Ramp for Approach to McComb's Dam Bridge For Resurfacing Seventh Avenue.....	.....	.....	.....	.....	100,500 00	11,234 02	38,023 61	51,242 37
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	2,500 00	2,499 96	.....	04	40,000 00	.....	7,117 74	32,882 26
Bronx River Works—Maintenance and Repairs.....	25,000 00	24,973 14	.....	26 86	25,000 00	624 99	624 99	1,250 02
Bronx River Works—Maintenance and Repairs—Salaries.....	2,400 00	2,400 00	.....	.....	2,400 00	5,130 78	4,949 09	14,914 13
Contingencies—Department of Public Works.....	4,000 00	3,793 12	.....	206 88	4,000 00	600 00	600 00	1,200 00
Flagging Sidewalks and Fencing Vacant Lots, etc.....	3,000 00	1,553 84	.....	1,446 16	2,000 00	442 19	844 35	2,713 46
Free Floating Baths—Care and Maintenance.....	20,000 00	17,367 37	.....	2,632 63	18,000 00	1,679 30	8,368 33	7,654 37
Free Floating Baths—Care and Maintenance—Salaries.....	32,000 00	30,194 50	.....	1,805 50	30,000 00	2,517 00	5,022 50	22,460 70
Lamps and Gas and Electric Lighting.....	700,000 00	699,586 20	.....	413 80	760,000 00	116,717 91	190,245 53	453,036 56
Lamps and Gas and Electric Lighting—Salaries.....	6,500 00	6,405 72	.....	94 28	6,500 00	1,624 95	1,624 95	3,250 10
Laying Croton Pipes.....	232,000 00	176,246 87	9,087 39	46,665 74	230,290 00	90 85	52,979 46	177,219 69
Laying Croton Pipes—Salaries.....	18,000 00	17,132 00	.....	868 00	19,710 00	4,037 50	4,153 00	11,519 50
Public Buildings—Construction and Repairs, including \$3,000 for Alterations, etc	94,345 00	79,291 40	6,726 99	8,326 61	88,000 00	13,032 05	23,142 94	51,825 01

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1890.	REQUISITIONS FROM JANUARY 1, 1890, TO APRIL 1, 1891.	REQUISITIONS ON LIABILITIES OF 1890, DURING SECOND QUARTER, 1891.	BALANCES OF 1890, ON JULY 1, 1891.	APPROPRIATIONS WITH TRANSFERS FOR 1891.	REQUISITIONS, FIRST QUARTER, 1891.	REQUISITIONS, SECOND QUARTER, 1891.	BALANCES, JULY 1, 1891.
Public Drinking-hydrants.....	\$3,000 00	\$2,690 47	.....	\$309 53	\$3,000 00	\$7 45	\$616 14	\$2,376 41
Public Drinking-hydrants—Salaries.....	1,200 00	1,200 00	.....	.....	1,200 00	54 84	230 00	915 16
Removing Obstructions in Streets and Avenues.....	39,839 45	39,007 95	\$831 50	.....	35,000 00	5,924 40	12,304 60	16,771 00
Removing Obstructions in Streets and Avenues—Salaries.....	7,800 00	7,500 00	.....	230 35	7,800 00	1,833 87	1,910 13	4,050 00
Repairing and Renewal of Pipes, Stop-cocks, etc.....	222,785 55	222,531 13	.....	254 42	215,000 00	43,204 14	73,362 47	98,433 39
For New Fire Hydrants.....	.....	.....	.....	.....	50,000 00	.....	.....	50,000 00
Repairs and Renewal of Pavements and Regrading.....	350,000 00	291,768 57	42,013 99	16,217 44	300,000 00	14,417 42	70,050 53	209,526 05
Repairs and Renewal of Pavements and Regrading—Salaries.....	17,000 00	16,342 86	.....	657 14	17,000 00	3,788 50	4,684 50	8,527 00
Repaving Streets and Avenues.....	400,000 00	208,012 39	77,336 66	114,650 95	350,000 00	.....	30,030 55	319,999 45
Repaving Streets and Avenues—Salaries.....	13,000 00	9,042 75	.....	3,957 25	13,000 00	1,186 25	4,990 50	6,823 25
Retaining-walls in East Fifty-first Street and East Forty-second Street.....	10,000 00	4,682 85	2,470 80	2,846 35	.....	.....	.....	.....
Roads, Streets and Avenues Unpaved—Maintenance, etc.....	25,000 00	24,071 56	.....	928 44	30,000 00	3,134 10	4,184 20	22,681 70
Salaries—Department of Public Works.....	92,000 00	91,948 57	.....	51 43	95,000 00	22,934 86	23,162 26	48,902 88
Salaries—Engineer, Clerks, Inspectors, etc.....	52,000 00	49,308 83	.....	2,691 17	58,000 00	12,957 26	13,921 66	31,121 08
Sewers—Repairing and Cleaning.....	160,000 00	155,238 20	386 00	4,375 80	125,000 00	21,061 16	23,971 11	79,967 73
Sewers—Repairing and Cleaning—Salaries.....	10,000 00	9,979 92	.....	20 08	10,000 00	2,429 08	2,481 98	5,088 04
Sewerage System—Salaries.....	8,600 00	8,071 35	.....	529 65	8,600 00	1,968 75	1,977 42	4,653 83
Street Improvements—For Surveying, Monumenting, etc.....	3,000 00	2,509 50	.....	490 50	3,000 00	562 50	585 00	1,852 50
Supplies for and Cleaning Public Offices, etc.....	134,500 00	125,422 11	1,700 00	7,377 89	139,250 00	27,046 42	28,671 95	83,531 63
Supplies for and Cleaning Public Offices, etc.—Salaries.....	18,920 00	18,879 20	.....	40 00	18,920 00	4,979 88	4,591 08	9,349 04
Supplying Water to Shipping and for Building Purposes—Salaries.....	10,000 00	9,999 50	.....	50 00	10,000 00	2,344 00	2,566 00	5,090 00
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	7,100 00	7,099 92	.....	08 00	7,100 00	1,774 98	1,774 98	3,550 04
Water Supply for the Twenty-fourth Ward.....	7,800 00	4,100 69	.....	3,699 31	6,800 00	438 13	747 00	5,614 87
Water Supply for the Twenty-fourth Ward—Salaries.....	1,200 00	1,100 00	.....	100 00	1,200 00	300 00	300 00	600 00
Wells and Pumps—Repairing and Cleaning.....	250 00	149 58	.....	100 42	250 00	.....	.....	.....
Totals.....	\$3,199,840 00	\$2,715,948 17	\$166,013 33	\$317,878 50	\$3,135,470 00	\$370,588 32	\$696,136 44	\$2,068,791 24
NOTE.—Requisitions drawn in Second Quarter, 1891, on Liabilities of 1889, Laying Croton Pipes, \$1,249.25; Removing Obstructions in Streets, etc., \$375; Repairs and Renewal of Pavements, etc., \$541.17; Repaving Streets and Avenues, \$2,963.35.								
Repaving, chapter 346, Laws 1889.....	\$1,000,000 00	\$472,714 23	\$39,720 86	\$487,564 91	\$1,000,000 00	\$5,565 65	\$40,257 37	\$954,176 98

TITLES OF TRUST ACCOUNTS.	BALANCES FROM 1890.	RECEIPTS, FIRST QUARTER, 1891.	RECEIPTS, SECOND QUARTER, 1891.	BALANCES OF 1890; ARREARS OF 1890, AND RECEIPTS, 1891.	REQUISITIONS, FIRST QUARTER, 1891.	REQUISITIONS, SECOND QUARTER, 1891.	REQUISITIONS, FIRST SIX MONTHS, 1891.	BALANCES, JULY 1, 1891.
Croton Water Fund.....	.....	.....	.....	.....	\$37,075 23	\$49,470 37	\$86,545 60	.....
Street Improvement Fund.....	.....	.....	.....	.....	314,294 77	352,737 59	667,032 36	.....
Restoring and Repaving—Special Fund—Department of Public Works.....	\$8,870 86	\$5,874 00	\$12,536 00	\$27,290 47	6,856 14	10,824 63	17,680 77	\$9,609 70
Water Meter Fund No. 2.....	16,400 98	2,105 11	2,747 44	27,311 10	2,201 77	4,678 55	6,940 32	20,370 78
Criminal Court-house Fund.....	.....	.....	.....	.....	25,020 00	62,910 00	87,939 00	.....
Fund for Viaduct from St. Nicholas place, etc.....	.....	.....	.....	.....	29,380 38	37,601 72	66,982 10	.....
Public Buildings, Twelfth Ward, Construction of.....	.....	.....	.....	.....	36 00	19,176 46	19,212 46	.....

Statement of General Bookkeeper, D. P. W., showing all Revenues of the City received through the Department of Public Works during the First and Second Quarters, 1891.

SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.	SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.
Water rents.....	\$275,261 78	\$776,859 85	\$1,052,121 63	Use of road rollers.....	\$21 00	\$6 00	\$27 00
Water penalties.....	4,095 40	1,644 70	5,740 10	Sales at auction.....	475 47	881 94	1,357 41
Pipe tapping.....	1,569 50	3,963 50	5,533 00	Work and material furnished citizens.....	6,503 94	427 50	6,991 44
Sewer permits.....	5,218 71	8,657 82	13,876 53	Totals.....	\$317,644 47	\$827,321 68	\$1,144,966 15
Vault permits.....	23,958 92	34,261 37	58,220 29				
Redemption of street obstructions.....	479 75	614 00	1,093 75				

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, 1891.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening, 1891—	
Blacksmithing.....	\$112 82
Coal.....	3,779 04
Feed pump.....	500 00
Horse-hire.....	106 00
Lumber.....	272 76
Oil.....	452 00
Pay-rolls.....	28,809 84
Repairs to engine.....	234 00
Sundry supplies, tools, etc.....	1,988 19
Taxes.....	1,055 76
Traveling expenses.....	192 14
Value.....	243 00
Wood.....	45 00
Total.....	\$37,790 55
Aqueduct—Repairs, Maintenance and Strengthening, 1890—	
Improvement of Old Reservoir, Central Park.....	\$25,425 00
Manhole covers.....	35 00
Total.....	\$25,460 00
Boring Examinations for Grading and Sewer Contracts, 1891—	
Pay-rolls.....	\$840 50
Boulevards, Roads and Avenues, Maintenance of, 1891—	
Building bridge, McComb's Dam.....	\$9,990 00
Coal.....	80 00
Horse-hire.....	360 00
Pay-rolls.....	25,376 82
Resurfacing Seventh avenue, between One Hundred and Tenth and One Hundred and Forty-fifth streets.....	7,117 74
Rent of Yard.....	900 00
Rubber hose.....	156 25
Repairs to sprinklers.....	82 55
Street sprinkler.....	450 00
Sundry supplies, tools, etc.....	605 49
Telephone service.....	22 50
Total.....	\$45,141 35
Bronx River Works—Maintenance and Repairs, 1891—	
Blacksmithing.....	\$47 06
Coal.....	34 50
Pay-rolls.....	4,773 00
Sundry supplies, tools, etc.....	24 53
Taxes.....	70 00
Total.....	\$4,949 09
Contingencies—Department of Public Works, 1891—	
Horse-hire.....	\$270 00
Miscellaneous, incidental expenses.....	574 35
Total.....	\$844 35

Free Floating Baths—Care and Maintenance, 1891—	
Anchor chains.....	\$330 34
Coal.....	11 00
Pay-rolls.....	252 00
Repairing and painting bath.....	4,785 00
Sundry supplies.....	454 53
Tinsmith work.....	443 00
Traveling expenses.....	22 46
Wharfage.....	2,070 00
Total.....	\$8,368 33
Lamps and Gas and Electric Lighting, 1891—	
Boulevard lamps.....	\$612 00
Crossheads.....	97 50
Fire-alarm signal lamps.....	165 00
Gas examinations.....	392 50
Horse-hire.....	305 00
Lighting public offices.....	13,410 28
“ streets.....	169,303 85
Lettering globes.....	152 50
Lamp globes.....	577 75
Lamp-irons.....	420 00
Lamp-post bases.....	109 60
Lamp-posts.....	1,885 68
Pay-rolls.....	804 00
Rent of Photometrical Rooms.....	240 00
Repairing lamps.....	58 70
Street lamps.....	1,005 75
Street signs.....	637 50
Sundry supplies.....	67 92
Total.....	\$190,245 53
Laying Croton Pipes, 1891—	
Cast-iron pipe.....	\$21,416 83
Horse-hire.....	270 00
Laying water-pipes.....	26,767 09
Stop cocks.....	4,070 70
Traveling expenses.....	454 84
Total.....	\$52,979 46
Laying Croton Pipes, 1890—	
Laying water-pipes.....	\$9,087 39
Laying Croton Pipes, 1889.....	\$1,249 25
Public Buildings—Construction and Repairs, 1891—	
Armory, Seventh Regiment.....	\$97 00
“ Sixty-ninth “.....	92 78
Brown-stone Building.....	288 80
Bureau of Repairs and Supplies.....	929 35
City Hall.....	430 61
Court, First District, Civil.....	37 82
“ Fifth “ “.....	60 00
“ Sixth “ “.....	180 40
“ Third “ Police.....	121 98
“ Fifth “ “.....	12 64
“ Seventh “ “.....	22 75
Court-house, County.....	1,466 77
Dog Pound.....	7 70
Hall of Records.....	79 87
Ludlow Street Jail.....	477 11

Public Buildings—Construction and Repairs, 1891—

Market, Catharine.....	\$93 00
" Fulton.....	120 00
" Tompkins.....	48 00
" West Washington.....	10,134 00
Pay-rolls.....	3,673 25
Staat Zeitung Building.....	126 40
Stewart Building.....	250 00
No. 31 Chambers street.....	649 71
No. 49 Beekman street.....	151 50
One Hundred and Nineteenth Street Yard.....	749 00
One Hundred and Twenty-first street and Sylvan place.....	825 00
No. 2622 Third avenue.....	2,017 50

Total.....\$23,142 94

Public Buildings—Construction and Repairs, 1890—

City Hall.....	\$6,726 99
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Public Drinking-hydrants, 1891—

Drinking-hydrants.....	\$221 05
Repairing hydrants.....	395 09

Total.....\$616 14

Removing Obstructions in Streets and Avenues, 1891—

Horse-hire.....	\$162 00
Pay-rolls.....	1,165 00
Removing obstructions.....	1,589 15
" poles and wires.....	8,623 00
" trees.....	591 50
Traveling expenses.....	173 95

Total.....\$12,304 60

Removing Obstructions in Streets and Avenues, 1890—

Removing rocks.....	\$831 50
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Removing Obstructions in Streets and Avenues, 1889—

Professional services.....	\$375 00
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Repairing and Renewal of Pipes, Stop-cocks, etc., 1891—

Brick stop-cock vault.....	\$100 00
Cast-iron water-pipe.....	9,862 96
Coke.....	70 00
Changing taps.....	264 02
Hydrant nozzles.....	150 00
Horse-hire.....	270 00
Pay-rolls.....	51,343 43
Relaying pipe.....	307 20
Removing gas-mains.....	49 56
Relaying asphalt pavement.....	10 07
Repairing fire-hydrants.....	326 15
Rubber hose.....	79 25
Stop-cocks.....	7,782 76
Setting water-meters.....	201 41
Sundry supplies, etc.....	419 12
Tapping cocks.....	1,925 00
Top cases "Victor" hydrants.....	201 60

Total.....\$73,362 47

Repairing and Renewal of Pavements and Regrading, 1891—

Boilers.....	\$250 00
Horse-hire.....	456 00
Pay-rolls.....	73,096 74
Paving cement.....	210 56
Repairs to steam roller.....	999 90
Repairing pavements.....	86 11
Repairing tools.....	392 90
Repairing tool cart.....	74 45
Rent of Yard.....	62 50
Sundry supplies.....	355 82
Traveling expenses.....	71 55

Total.....\$76,056 53

Repairs and Renewal of Pavements and Regrading, 1890—

Blue-stone.....	\$5,386 24
Paving cement.....	68 80
Relaying pavement.....	28,641 11
Sand.....	7,804 19
Sundry supplies.....	96 00
Traveling expenses.....	17 65

Total.....\$42,013 99

Repairs and Renewal of Pavements and Regrading, 1889—

Relaying pavement.....	\$541 17
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Repaving (Chapter 346, Laws of 1889), 1891—

Madison avenue, between Sixtieth and Sixty-sixth streets.....	\$6,566 00
Sixteenth street, between Fifth and Sixth avenues.....	26,194 00
Horse-hire.....	228 00
Pay-rolls.....	7,269 37

Total.....\$40,257 37

Repaving (Chapter 346, Laws of 1889), 1890—

Canal street, between Hudson street and Bowery.....	\$32,928 70
Greenwich street, between Chambers and Canal streets.....	2,210 24
Twenty-ninth street, between Fifth avenue and Broadway.....	4,581 92

Total.....\$39,720 86

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

Broad street, between Exchange place and Pearl street.....	\$442 97
Broome street, between Centre street and Broadway.....	491 42
Cliff street, between Ferry and John streets.....	436 41
Reade street, between Elm and Washington streets.....	658 54
Thomas street, between Church and Hudson streets.....	386 72
Varick street, between Franklin and Canal streets.....	746 96
Thirteenth street, between Avenue B and Fifth avenue.....	1,444 68

Total.....\$4,607 70

Repaving Streets and Avenues, 1891—

Fulton street, between Broadway and Greenwich street.....	\$5,460 00
Seventy-second street, between Third and Fourth avenues.....	10,265 35
First avenue, between One Hundred and Ninth and One Hundred and Sixteenth streets.....	14,305 20

Total.....\$30,030 55

Repaving Streets and Avenues, 1890—

Catharine street, between Division and Cherry streets.....	\$681 20
Church street, between Chambers and Canal streets.....	16,438 17
Cherry street, between Clinton and Jefferson streets.....	123 53
Elizabeth street, between Bleecker and Bayard streets.....	2,082 80
East Broadway, between Chatham Square and Grand street.....	3,685 50
Harrison street, between Hudson and Washington streets.....	729 28
Leroy street, between Washington and West streets.....	79 02

Repaving Streets and Avenues, 1890—

Little West Twelfth street, between Washington street and Tenth avenue.....	\$125 50
South William street, between William and Broad streets.....	21,265 66
Washington street, between Houston and Clarkson streets.....	180 48
Twenty-sixth street, between Tenth and Eleventh avenues.....	2,058 76
Fifty-second street, between Eleventh and Twelfth avenues.....	9,007 65
Sixty-third street, between Madison and Fifth avenues.....	4,712 43
Sixty-sixth street, between Lexington and Third avenues.....	6,764 06
Seventy-second street, between Second and Third avenues.....	278 62
One Hundred and Twenty-fourth street, between Park and Fifth avenues.....	9,124 00

Total.....\$77,336 66

Repaving Streets and Avenues, 1889—

Hudson street, between Beach and Spring streets.....	\$1,339 04
Madison avenue, between Thirty-third and Thirty-sixth streets and Forty-first and Forty-second streets.....	497 46
Wall street, between Broadway and Nassau street.....	133 21
Whitehall street, between Beaver street and South Ferry.....	993 64

Total.....\$2,963 35

Retaining-wall in East Fifty-first street and East Forty-second street, 1890—

Building retaining-wall.....	\$2,158 80
Pay-rolls.....	312 00

Total.....\$2,470 80

Roads, Streets and Avenues, Unpaved, Maintenance of, and Sprinkling, 1891—

Pay-rolls.....	\$4,093 98
Sundry supplies.....	90 22

Total.....\$4,184 20

Sewers—Repairing and Cleaning, 1891—

Cleaning sewers.....	\$2,709 42
Cement.....	153 75
Horse-hire.....	480 00
Pay-rolls.....	20,057 50
Sundry supplies.....	145 14
Traveling expenses.....	425 30

Total.....\$23,971 11

Sewers, Repairing and Cleaning, 1890—

Building sewer.....	\$113 25
Repairing sewers.....	272 75

Total.....\$386 00

Street Improvements for Surveying, Monumenting, etc., 1891—

Pay-rolls.....	\$585 00
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Supplies for and Cleaning Public Offices, 1891—

Bureau of Repairs and Supplies.....	\$2,123 77
City Hall.....	1,065 97
Court, Civil, First District.....	5 71
" " Third ".....	25 10
" " Fifth ".....	10 50
" " Sixth ".....	99 70
" " Seventh ".....	72 00
" " Ninth ".....	44 50
" Police, Third District.....	16 20
" " Fifth ".....	16 00
" City.....	38 00
" Common Pleas.....	54 00
" Supreme.....	972 00
Court-house, County.....	75 10
County Jail.....	43 15
Office, Board of Aldermen.....	9 01
" Counsel to the Corporation.....	53 25
" Commissioners of Accounts.....	16 80
" Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	1,702 39
" Commissioner of Jurors.....	385 04
" City Chamberlain.....	15 00
" CITY RECORD.....	25 00
" Department, Finance.....	98 00
" Department of Public Works.....	320 50
" Department of Taxes and Assessments.....	62 15
" District Attorney.....	117 98
" Mayor.....	69 00
" Sheriff.....	332 05
Pay-rolls.....	20,827 08

Total.....\$28,694 95

Supplies for and Cleaning Public Offices, 1890—

Bureau of Repairs and Supplies.....	\$850 00
City Hall.....	850 00

Total.....\$1,700 00

Water Supply for the Twenty-fourth Ward, 1891—

Supply of Water.....	\$747 00
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RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening.....	\$37,790 55
Aqueduct—Repairs, Maintenance and Strengthening, 1890.....	25,460 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,636 84
Boring Examinations for Grading and Sewer Contracts.....	840 50
Boulevards, Roads and Avenues, Maintenance of.....	45,141 35
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	624 99
Bronx River Works—Maintenance and Repairs.....	4,949 09
Bronx River Works—Maintenance and Repairs—Salaries.....	600 00
Contingencies—Department of Public Works.....	844 35
Free Floating Baths—Care and Maintenance.....	8,368 33
Free Floating Baths—Care and Maintenance—Salaries.....	5,022 50
Lamps and Gas and Electric Lighting.....	190,245 53
Lamps and Gas and Electric Lighting—Salaries.....	1,624 95
Laying Croton-pipes.....	52,979 46
Laying Croton-pipes, 1890.....	9,087 39
Laying Croton-pipes, 1889.....	1,249 25
Laying Croton-pipes—Salaries.....	4,153 00
Public Buildings, Construction and Repairs.....	23,142 94
Public Buildings, Construction and Repairs, 1890.....	6,726 99
Public Drinking-hydrants.....	616 14
Public Drinking-hydrants.....	230 00
Removing Obstructions in Streets and Avenues.....	12,304 60
Removing Obstructions in Streets and Avenues, 1890.....	831 50
Removing Obstructions in Streets and Avenues, 1889.....	375 00
Removing Obstructions in Streets and Avenues—Salaries.....	1,916 13
Repairing and Renewal of Pipes, Stop-cocks, etc.....	73,362 47
Repairs and Renewal of Pavements and Regrading.....	76,056 53
Repairs and Renewal of Pavements and Regrading, 1890.....	42,013 99
Repairs and Renewal of Pavements and Regrading, 1889.....	541 17
Repairs and Renewal of Pavements and Regrading—Salaries.....	4,684 50
Repaving—(Chapter 346, Laws of 1889).....	40,257 37
Repaving—(Chapter 346, Laws of 1889), 1890.....	39,720 86
Repaving—(Chapter 346, Laws of 1889), 1889.....	4,607 70

Repaving Streets and Avenues.....	\$30,030 55
Repaving Streets and Avenues, 1890.....	77,336 66
Repaving Streets and Avenues, 1889.....	2,963 35
Repaving Streets and Avenues—Salaries.....	4,990 50
Retaining-wall in East Fifty-first Street and East Forty-second Street, 1890.....	2,470 80
Roads, Streets and Avenues Unpaved, Maintenance and Sprinkling.....	4,184 20
Salaries—Department of Public Works.....	23,162 26
Salaries of Engineer, Clerks, Inspectors and Measurers, etc.....	13,921 66
Sewers—Repairing and Cleaning.....	23,971 11
Sewers—Repairing and Cleaning, 1890.....	386 00
Sewers—Repairing and Cleaning—Salaries.....	2,481 98
Sewerage System—Salaries.....	1,977 42
Street Improvements for Surveying, Monumenting, etc.....	585 00
Supplies for and Cleaning Public Offices.....	28,694 95
Supplies for and Cleaning Public Offices, 1890.....	1,700 00
Supplies for and Cleaning Public Offices—Salaries.....	4,591 08
Supplying Water to Shipping and for Building Purposes—Salaries.....	2,566 00
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	1,774 98
Water Supply for the Twenty-fourth Ward.....	747 00
Water Supply for the Twenty-fourth Ward—Salaries.....	300 00
Total.....	\$951,841 47

TRUST ACCOUNTS.

Croton Water Fund—	
Clerical services.....	\$1,040 38
Drawing materials.....	107 46
Horse-hire.....	678 00
Pay-rolls.....	13,931 07
Professional services.....	1,692 61
Printing.....	11 50
Recording and certifying to petition.....	342 15
Reservoir near Amawalk.....	28,768 50
Repairing instruments.....	16 00
Traveling expenses.....	1,363 56
Taxes.....	17 00
Water rights.....	1,502 50
Total.....	\$49,470 73
Criminal Court-house Fund—	
Heating and ventilation.....	\$38,250 00
Mason work.....	23,337 00
Pay-rolls.....	1,323 00
Total.....	\$62,910 00
Fund for Viaduct from St. Nicholas place, etc.—	
Engineer's fees.....	\$2,383 47
Pay-rolls.....	2,714 25
Work on contract.....	32,504 00
Total.....	\$37,601 72
Public Buildings, Twelfth Ward, Construction of—	
Architects' fees.....	\$3,567 46
Pay-rolls.....	312 00
Work on contract.....	15,297 00
Total.....	\$19,176 46
Restoring and Repaving—Special Fund—	
Coal.....	\$45 00
Pay-rolls.....	3,617 13
Restoring pavement.....	7,162 50
Total.....	\$10,824 63
Street Improvement Fund—	
Curbing and flagging.....	\$3,095 76
Fencing.....	3,922 30
Paving and crosswalks.....	154,156 73
Pay-rolls.....	26,334 68
Regulating, grading, etc.....	33,309 12
Sewers.....	125,680 03
Surveying.....	6,238 97
Total.....	\$352,737 59
Water-meter Fund, No. 2—	
Setting meters.....	\$1,907 55
Water-meters.....	2,771 00
Total.....	\$4,678 55
Recapitulation of Funds—	
Croton Water Fund.....	\$49,470 73
Criminal Court-house Fund.....	62,910 00
Fund for Viaduct, from St. Nicholas place, etc.....	37,601 72
Public Buildings, Twelfth Ward, Construction of.....	19,176 46
Restoring and Repaving—Special Fund.....	10,824 63
Street Improvement Fund.....	352,737 59
Water-meter Fund, No. 2.....	4,678 55
Total.....	\$537,399 68

Document "C."

STATEMENT OF CONTRACTS.

Contracts Entered Into during the Three Months ending June 30, 1891.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
<i>Sewer and Receiving-basin Contracts.</i>		
Alteration and improvement to sewer in South Fifth avenue, between Canal and Broome streets, etc.....	Lawrence Rock.....	\$9,246 00
Alteration and improvement to sewers in Sullivan street, between Canal and Broome streets; Broome street, between Sullivan and Thompson streets, and Thompson street, between Broome and Spring streets.....	Patrick Casey.....	16,740 00
Alteration and improvement to sewer in Mercer street, between Canal and Grand streets.....	Patrick Hardiman.....	5,267 50
Alteration and improvement to sewer in Essex street, between Delancey and Broome streets.....	John Kenny.....	2,031 30
Alteration and improvement to sewer in Avenue St. Nicholas, west side, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets; sewer in One Hundred and Forty-ninth street, between Avenue St. Nicholas and Amsterdam avenue, and in Amsterdam avenue, east side, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets.....	Thomas F. Murray.....	8,762 20
Sewer in Seventy-second street, extending about 615 feet east of Avenue A.....	Del Genovese & Towle.....	14,692 00
Sewer in One Hundred and First street, between Park and Madison avenues.....	McLaughlin & McGrath.....	1,652 50
Sewer in One Hundred and Second street, between Park and Madison avenues.....	".....	1,816 25
Sewer in First avenue, between Ninetieth and Ninety-first streets.....	William Knaupp.....	2,992 50
Sewer in Edgecombe avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets.....	William J. Clark.....	41,315 00

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Sewer in Seventy-first street, between Boulevard (Sherman Square) and summit west.....	John Slattery.....	\$1,917 00
Sewers in South street, between Market Slip and Montgomery street, etc.....	Terence A. Smith.....	36,122 00
Sewer in Park avenue, east side, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.....	William J. Murray.....	990 25
Sewer in Edgecombe avenue, between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, etc.....	James Leeson.....	1,272 50
Receiving-basins northwest and southwest corners One Hundred and Eighth street and Boulevard.....	John Slattery.....	660 00
Receiving-basin southeast corner Ninety-eighth street and First avenue.....	John Kenny.....	280 00
Receiving-basin northwest corner One Hundred and Forty-sixth street and Eighth avenue.....	John Slattery.....	254 00
Receiving-basin southeast corner One Hundred and Fifteenth street and Fifth avenue.....	John Kenny.....	239 00
Receiving-basin northeast corner Fifty-fifth street and Avenue A.....	".....	380 00
		\$147,237 00
<i>Regulating and Grading, Curbing and Flagging Contracts.</i>		
Regulating and grading One Hundred and Eighteenth street, between Morningside and Amsterdam avenues.....	John J. Farley.....	\$10,302 54
Regulating and grading One Hundred and Ninth street, between Manhattan and Columbus avenues.....	".....	6,031 76
Regulating and grading One Hundred and Third street, between First avenue and East river.....	A. E. Moran.....	1,747 90
Regulating and grading One Hundred and Thirty-second street, between Boulevard and Twelfth avenue.....	John J. Hopper.....	4,320 00
Regulating and grading One Hundred and Thirty-fifth street, between Amsterdam and Convent avenues.....	".....	1,304 08
Regulating and grading One Hundred and Thirty-third street, between Amsterdam and Convent avenues.....	John Slattery.....	2,947 76
Regulating and grading One Hundred and Ninetieth street, between Amsterdam and Audubon avenues.....	James A. Smith.....	2,883 15
Regulating and grading One Hundred and Forty-first street, between Harlem river and Seventh avenue.....	Charles V. Hough.....	9,490 36
Regulating and grading One Hundred and Tenth street, north side, between Fifth and Madison avenues.....	Denis McGrath.....	269 60
Flagging, etc., Avenue A, east side, between Seventy-third and Seventy-fourth streets, and Seventy-third street, from Avenue A to East river.....	Thomas J. Dunn.....	4,039 33
Flagging, etc., Thirty-second street, between Lexington and Fourth avenues.....	".....	1,309 89
Flagging, etc., Seventy-ninth street, between Amsterdam avenue and Boulevard.....	".....	991 76
Flagging, etc., One Hundred and Twenty-ninth street, between Lexington and Park avenues, and east side Park avenue, between One Hundred and Twenty-eighth and One Hundred and Thirtieth streets.....	".....	865 97
Flagging, etc., Seventy-seventh street, between Avenue A and East river.....	James Slattery.....	1,074 88
Flagging, etc., One Hundred and First street, south side, between Ninth and Tenth avenues.....	A. E. Moran.....	840 16
Flagging, etc., southeast corner Eighty-eighth street and Columbus avenue.....	Thomas J. Dunn.....	500 90
Flagging, etc., One Hundred and Thirty-first street, between Amsterdam avenue and Western Boulevard.....	A. E. Moran.....	904 25
Flagging, etc., Sixty-sixth street, south side, between Amsterdam and Columbus avenues.....	Thomas J. Dunn.....	236 24
Flagging, etc., in front of Nos. 10, 12 and 14 West Fifty-sixth street.....	".....	133 25
Flagging, etc., in front of Nos. 7 and 9 Abington Square.....	".....	190 05
Flagging, etc., One Hundred and Twenty-second street, between Manhattan and Columbus avenues.....	".....	279 00
Flagging, etc., One Hundred and Seventeenth street, between St. Nicholas and Seventh avenues.....	Patrick McInerney.....	317 15
Flagging, etc., west side Amsterdam avenue, from One Hundred and First to One Hundred and Second street.....	Thomas J. Dunn.....	241 34
Flagging, etc., One Hundred and Fifteenth street, south side, from Madison to Fifth avenue.....	".....	139 02
Flagging, etc., Fifty-ninth street, south side, west of Grand Circle.....	".....	118 38
		\$51,484 72
<i>Paving Contracts—Assessment Work.</i>		
Paving Washington street, from Chambers to Spring street (land grant).....	Thomas Gearty.....	\$31,931 50
Paving Greenwich street, from Vesey to Barclay street (land grant).....	".....	3,840 00
Paving Chambers street, from West to Greenwich street (land grant).....	William J. Clark.....	7,994 00
Paving Canal street, from West to Washington street (land grant).....	".....	1,361 35
Paving Reade street, from West to Washington street (land grant).....	Thomas Gearty.....	1,361 88
Paving Jay street, from West to Washington street (land grant).....	".....	606 39
Paving Harrison street, from West to Washington street (land grant).....	".....	1,732 76
Paving Franklin street, from West to Washington street (land grant).....	".....	2,083 50
Paving Lighthouse street, from West to Greenwich street (land grant).....	".....	5,121 00
Paving Vestry street, from West to Greenwich street (land grant).....	".....	5,719 77
Paving Desbrosses street, from West to Greenwich street (land grant).....	".....	5,457 60
Paving Watts street, from West to Greenwich street (land grant).....	".....	5,738 65
Paving Spring street, from West to Greenwich street (land grant).....	Michael Fitzgerald.....	1,644 75
Paving One Hundred and Tenth street, from First avenue to East river (land grant).....	F. Thiemann, Jr.....	8,617 87
Paving One Hundred and Forty-seventh street, from Amsterdam to St. Nicholas avenue.....	James Pollock.....	6,741 44
Paving Ninety-eighth street, from Eighth to Ninth avenue.....	".....	6,701 40
Paving Ninety-fourth street, from First to Second avenue.....	".....	5,390 85
Paving One Hundred and Fifteenth street, from Park to Fifth avenue.....	".....	6,980 73
Paving First avenue, at intersection of One Hundred and Twenty-sixth street.....	".....	969 42
Paving West End avenue, from Ninety-sixth to One Hundred and Fourth street.....	Warren-Scharf Asphalt Paving Co.....	30,686 07
Paving North Moore street, from West to Washington street (land grant).....	John G. Smith.....	3,510 83
Paving Beach street, from West to Washington street (land grant).....	".....	3,448 25
Paving Hubert street, from West to Greenwich street (land grant).....	".....	4,055 00
Paving Sixty-fourth street, from Central Park, West, to Boulevard.....	Thomas Gearty.....	5,590 90
Paving Madison avenue, from One Hundred and Fifth to One Hundred and Eighth street.....	William J. Clark.....	7,567 10
		\$166,143 01
<i>Repaving Contracts.</i>		
Paving Washington street, from Reade to Spring street.....	Thomas Gearty.....	\$17,621 00
Paving Greenwich street, from Fulton to Chambers street.....	".....	17,670 00
Paving Chambers street, from Washington to Greenwich street.....	".....	847 00
Paving Reade street, from West to Greenwich street.....	".....	2,034 30
Paving Jay street, from West to Washington street.....	".....	3,409 50
Paving Harrison street, from West to Washington street.....	".....	2,599 50
Paving Franklin street, from West to Washington street.....	".....	1,046 00
Paving North Moore street, from West to Greenwich street.....	John G. Smith.....	2,536 50
Paving Beach street, from Washington to Greenwich street.....	".....	1,584 00
Paving Hubert street, from Washington to Greenwich street.....	".....	1,090 95
Paving Lighthouse street, from Washington to Greenwich street.....	Thomas Gearty.....	1,193 50
Paving Vestry street, from Washington to Greenwich street.....	".....	1,315 80
Paving Desbrosses street, from Washington to Greenwich street.....	".....	1,347 50
Paving Watts street, from Washington to Greenwich street.....	".....	1,161 00
Paving Canal street, from West to Washington street.....	William J. Clark.....	9,890 75
Paving Spring street, from West to Greenwich street.....	Michael Fitzgerald.....	7,021 00
Paving Fulton street, from Broadway to Greenwich street.....	Thomas Gearty.....	10,565 00
Paving Third avenue, from Twenty-third to Fifty-ninth street.....	William Kelly.....	154,004 00
Paving Twenty-third street, from Third to Tenth avenue.....	".....	59,928 50
Paving Park Row, from Franklin street to Broadway, and Beekman street, from Park Row to Pearl street.....	Matthew Baird.....	35,492 30
Paving Grand street, from Broadway to Goerck street.....	".....	52,875 65
Paving Sixth avenue, from Carmine to Twenty-third street.....	".....	92,117 50
Paving Boulevard, from Seventy-ninth to Ninety-second street.....	Barber Asphalt Paving Co.....	110,820 00
Paving Fifth avenue, from One Hundred and Twenty-fourth to One Hundred and Thirtieth street.....	".....	27,174 00
Paving Mount Morris avenue, from One Hundred and Twentieth to One Hundred and Twenty-fourth street.....	".....	25,205 80
Paving Sixteenth street, from Fifth to Sixth avenue; Twentieth street, from Fifth to Sixth avenue; Twentieth and Twenty-first streets, fronting Gramercy Park, and Gramercy place, East and West, and Twenty-first street, from Fifth to Sixth avenue.....	".....	50,348 30
Paving Twenty-sixth street, from Madison avenue to East river.....	".....	54,537 80
Paving Madison avenue, from Sixtieth to Sixty-sixth street, and Fifty-seventh street, from Fifth to Madison avenue.....	Sicilian Asphalt Paving Co.....	23,984 50
Paving Forty-fifth street, from Fifth to Sixth avenue; Forty-eighth street, from Madison to Seventh avenue, and Fiftieth street, from Fifth to Sixth avenue.....	".....	47,774 00
Paving Thirty-fifth street, from Madison to Sixth avenue; Thirty-ninth street, from Fifth to Sixth avenue, and Fortieth street, from Fifth to Sixth avenue.....	".....	37,998 30
Paving Fifty-seventh street, from Fourth to Madison avenue and from Fifth to Sixth avenue; Sixty-fourth street, from Fourth to Fifth avenue, and Sixty-fifth streets, from Fourth to Fifth avenue.....	".....	42,062 30
Paving Seventy-fourth street, from Madison to Fifth avenue; One Hundred and Twenty-fourth street, from Mount Morris to Fifth avenue, and Fifth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-fifth street.....	G. Knoche.....	33,488 40
Paving Bowery, from Chatham Square to Sixth street.....	John G. Smith.....	79,095 00

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Paving Ninth street, between Fifth avenue and University place; Twenty-second street, between Lexington and Third avenues; Thirty-eighth street, between Fifth and Madison avenues; and Fifty-eighth street, between Fifth and Sixth avenues.....	Barber Asphalt Paving Co.....	\$27,122 00
Paving First avenue, from One Hundred and Ninth to One Hundred and Sixteenth street.....	F. Thilemann, Jr.....	25,247 00
Resurfacing Seventh avenue, from One Hundred and Tenth to One Hundred and Forty-fifth street.....	George F. Doak.....	18,413 20
		\$1,100,622 75
<i>Miscellaneous Contracts.</i>		
Furnishing and delivering manhole heads and covers, extra manhole covers, basin covers and step-irons for manholes.....	Thomas A. Rourke.....	\$1,481 25
Furnishing and delivering hydrants, wooden hydrant boxes and cast-iron stop-cock boxes.....	M. J. Drummond.....	5,245 00
Furnishing 1,000 cast-iron lamp-posts.....	E. P. Gleason Manufacturing Co.....	6,790 00
Furnishing 2,500 street lamps.....	Barlett Lamp Manufacturing Co.....	5,557 53
Furnishing 500 Boulevard lamps and 1,500 globes.....	Brown & Fleming.....	5,300 00
Furnishing and delivering about 2,300 cubic yards broken stone and 1,200 cubic yards screenings.....	George F. Doak.....	7,801 00
Furnishing and delivering about 2,000 cubic yards gravel.....	George F. Doak.....	3,480 10
Painting and calkumg the halls, corridors and stairways, Special Term Room of Superior Court, and the Naturalization Bureau and Record Room of Court of Common Pleas, and Jury Room, Supreme Court, in County Court-house.....	William Minnick.....	2,980 00
		\$38,670 75
<i>Laying Water-main Contract.</i>		
Laying water-mains in Boulevard, from One Hundred and Seventy-seventh to Home street.....	John Cornwell, Jr.....	\$41,753 10
<i>Fencing Contracts.</i>		
Fencing vacant lots north side Ninety-ninth street, between Eighth and Ninth avenues.....	F. Thilemann, Jr.....	\$33 25
Fencing vacant lots in Eighty-eighth street, from Central Park, West, to Riverside Drive.....	Patrick Larney.....	716 75
Fencing vacant lots northwest corner Avenue B and Eighty-first street, Boulevard and West End avenue.....	Patrick Larney.....	87 50
Fencing vacant lots in One Hundred and Second street, between Columbus and Amsterdam avenues.....	F. Thilemann, Jr.....	312 74
Fencing vacant lots, south side One Hundred and Nineteenth street, between Fifth and Lenox avenues.....	".....	102 15
Fencing vacant lots in block bounded by One Hundred and Twenty-first and One Hundred and Twenty-second streets, St. Nicholas and Manhattan avenues.....	Charles J. Giblin.....	204 51
Fencing vacant lots in block bounded by One Hundred and Third and One Hundred and Fourth streets, from Central Park, West, to Manhattan avenue.....	".....	304 35
	Patrick Larney.....	494 62
		\$1,257 92

RECAPITULATION.

19 Sewer and Receiving-basin Contracts.....	\$147,237 00
25 Regulating and Grading, Curbing and Flagging Contracts.....	31,454 72
26 Paving Contracts—Assessment Work.....	100,614 01
36 Repaving Contracts.....	1,100,622 75
8 Miscellaneous Contracts.....	38,670 75
1 Laying Water-main Contract.....	41,753 10
8 Fencing Contracts.....	2,257 92
122 Contracts.....	\$1,348,640 25

Contracts Completed.

NATURE AND LOCATION OF WORK.	AMOUNT.
<i>Sewer and Receiving-basin Contracts.</i>	
Sewer in Ninety-ninth street, between Madison and Fifth avenues.....	\$1,415 50
Sewer in First avenue, between Forty-fifth and Forty-sixth streets.....	3,314 50
Sewer in Thirtieth avenue, east side, between Little West Twelfth and Thirtieth streets, and in Thirtieth street, between Tenth and Thirtieth avenues.....	10,680 00
Sewer in B ridge street, between Broad and Whitehall streets.....	2,578 75
Sewer in Ninety-ninth street, between Boulevard and West End avenue.....	1,323 30
Sewer in One Hundred and Fourth street, between Harlem river and First avenue.....	6,165 50
Sewer in Sixty-third street, between Amsterdam and Columbus avenues.....	803 00
Sewer in One Hundred and Second street, between Boulevard and West End avenue.....	3,777 00
Sewer in Madison avenue, between One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets.....	2,176 00
Sewer in Fifty-second street, between Hudson river and Eleventh avenue.....	10,255 06
Sewer in Ludlow street, between Broome and Delancey streets.....	3,107 00
Sewer in Twenty-eighth street, between East river and First avenue.....	2,197 50
Sewer in Eighth avenue, west side, between One Hundred and Twenty-fourth and One Hundred and Thirty-seventh streets.....	29,093 35
Sewer in Eighty-second street, between Boulevard and Amsterdam avenue.....	3,985 00
Sewer in Twelfth avenue, east side, between One Hundred and Thirty-fifth and One Hundred and Thirty-seventh streets, etc.....	15,357 75
Sewer in Park avenue, west side, between Ninety-second and Ninety-third streets, etc.....	2,773 50
Receiving-basins northwest and southwest corners One Hundred and Eighth street and 1st Boul. yard.....	620 00
Receiving-basins northeast and southeast corners Ninety-sixth street and Boulevard.....	260 00
Receiving-basin southeast corner Ninety-eighth street and First avenue.....	272 50
	\$104,965 41
<i>Regulating and Grading, Curbing and Flagging Contracts.</i>	
Regulating and grading One Hundred and Forty-eighth street, from Seventh avenue to Harlem river.....	\$1,941 06
Regulating and grading Ninety-ninth street, from Third to Park avenue.....	7,553 61
Flagging, etc., Seventy-seventh street, between Boulevard and West End avenue.....	330 70
Flagging, etc., east side West End avenue and west side Boulevard, between Seventy-sixth and Seventy-seventh streets.....	223 19
Flagging, etc., One Hundred and Forty-second street, from Amsterdam avenue to Hamilton place.....	447 03
Flagging, etc., Fifty-first street, from Eleventh to Twelfth avenue.....	1,616 68
Flagging, etc., south side One Hundred and Thirtieth street, from Fifth to Madison avenue.....	213 14
Flagging, etc., One Hundred and Eleventh street, from Eighth to Manhattan avenue.....	694 05
Flagging, etc., One Hundred and Twenty-second street, from Manhattan to Columbus avenue.....	208 47
Flagging, etc., south side Sixtieth street, east of Eleventh avenue.....	284 40
Flagging, etc., in front of Nos. 7 and 9 Abington Square.....	177 62
Flagging, etc., in front of Nos. 10, 12 and 14 West Fifty-sixth street.....	81 40
	\$13,988 55
<i>Paving Contracts—Assessment Work.</i>	
Paving Eighty-ninth street, between Tenth avenue and Boulevard.....	\$3,281 45
Paving One Hundred and Fifty-first street, between Tenth and St. Nicholas avenues.....	5,675 95
Paving Madison avenue, between One Hundred and Sixteenth and One Hundred and Twentieth streets.....	12,132 35
Paving Ninety-fifth street, between Tenth avenue and Boulevard.....	3,171 40
Paving One Hundred and Ninth street, between Madison and Fifth avenues.....	3,775 02
Paving Eighty-eighth street, between Tenth and Eleventh avenues.....	4,031 10
Paving Sixty-fourth street, between Tenth and Eleventh avenues.....	6,524 80
Paving One Hundred and Forty-second street, between Tenth and Eleventh avenues.....	5,716 20
Paving Eighty-seventh street, between Madison and Fifth avenues.....	3,762 17
Paving Sixty-seventh street, between Eighth and Ninth avenues.....	6,742 40
Paving Thirty-fourth street, between First avenue and East river.....	5,407 55
Paving One Hundred and Twentieth street, between Seventh and Eighth avenues.....	7,678 58
Paving One Hundred and Thirtieth street, between Eighth and Edgecombe avenues.....	3,882 80
Paving One Hundred street, between Amsterdam avenue and Boulevard.....	3,611 60
Paving Eightieth street, between Avenue C and East river.....	10,365 04
Paving Sixty-ninth street, between Eleventh and Twelfth avenues.....	9,537 59
Paving Fifty-second street, between Seventeenth and Eighteenth streets.....	6,067 40
Paving One Hundred and Forty-seventh street, between Amsterdam and St. Nicholas avenues.....	6,721 49
Crosswalks across Fifth avenue, north and south sides One Hundred and Thirtieth, One Hundred and Fourteenth, One Hundred and Fifteenth, One Hundred and Sixteenth, One Hundred and Seventeenth and One Hundred and Eighteenth streets.....	906 69
Crosswalks across Lenox avenue, north and south sides One Hundred and Eighteenth street.....	359 86
Crosswalks across Lenox avenue, north and south sides One Hundred and Thirty-second street.....	379 27
Crosswalks across Lenox avenue, north side One Hundred and Thirtieth street.....	175 51
Crosswalks across Fifth avenue, north and south sides One Hundred and Nineteenth street.....	177 10
Crosswalks across Hamilton place, north side One Hundred and Thirtieth street.....	74 52
Crosswalks across Boulevard, north side One Hundred and Fortieth street.....	239 29
Crosswalks across Avenue A, north and south sides Seventy-first street.....	290 65

NATURE AND LOCATION OF WORK.	AMOUNT.
Crosswalks across Tenth avenue, north side One Hundred and Sixty-second street, and Tenth avenue and Avenue St. Nicholas, south side One Hundred and Sixty-second street.....	\$493 48
Crosswalks across Tenth avenue, north side One Hundred and Fifty-fifth street, and north and south sides One Hundred and Fifty-sixth, One Hundred and Fifty-seventh, One Hundred and Fifty-eighth, One Hundred and Fifty-ninth and One Hundred and Sixtieth streets.....	1,267 10
Crosswalks across Tenth avenue, intersection with Kingsbridge road.....	366 39
Crosswalks across One Hundred and Seventy-fifth street, east and west sides Eleventh avenue, and Eleventh avenue, north and south sides of One Hundred and Seventy-fifth street.....	713 81
	\$114,583 96
<i>Repaving Contracts.</i>	
Paving Twenty-sixth street, between Tenth and Eleventh avenues.....	\$2,169 44
Paving Sixty-third street, between Madison and Fifth avenues.....	6,732 03
Paving Twenty-ninth street, between Fifth avenue and Broadway.....	6,545 59
Paving One Hundred and Twenty-fourth street, between Park and Fifth avenues.....	9,448 06
Paving Sixty-sixth and Sixty-seventh streets, between Third and Lexington avenues.....	9,812 93
Paving South William street, between William and Broad streets, and William street, from Wall to Frankfort street.....	22,350 91
Paving Seventy-second street, between Third and Fourth avenues.....	11,028 59
Paving Forty-ninth street, between Second and Third avenues; Sixty-fifth street, from Lexington to Fourth avenue, and Sixty-seventh street, from Lexington to Fourth avenue (paving-blocks furnished by Department of Public Works).....	3,421 05
Paving Church street, between Chambers and Canal streets.....	17,414 61
Paving Sixteenth street, between Fifth and Sixth avenues; Twentieth street, between Fifth and Sixth avenues; Twentieth and Twenty-first streets, fronting Gramercy Park, and Gramercy place, East and West, and Twenty-first street, between Fifth and Sixth avenues.....	49,952 69
Paving Goerck street, between Grand and Third streets.....	3,042 74
Paving Thirty-second street, between Sixth and Seventh avenues; Eightieth street, between Second and Third avenues, and Eighty-seventh street, between Second and Third avenues (the paving-blocks to be furnished by the Department of Public Works).....	6,133 97
Taking up and relaying the pavement in Sixth avenue, between Fifty-seventh and Fifty-ninth streets.....	1,330 90
Paving One Hundred and Thirtieth street, between Fourth and Sixth avenues (the paving-blocks to be furnished by the Department of Public Works).....	4,221 97
Taking up and relaying the pavement in One Hundred and Twenty-seventh street, from Sixth to Seventh avenue and from Seventh to Eighth avenue; One Hundred and Twenty-eighth street, from Lexington to Second avenue and from Sixth to Seventh avenue, and One Hundred and Thirty-first street, from Sixth to Seventh avenue.....	5,376 64
Taking up and relaying the pavement in One Hundred and Sixth street, from Lexington avenue to East river.....	6,588 17
	\$165,577 72
<i>Miscellaneous Contracts.</i>	
Alteration of building on northeast corner of One Hundred and Forty-first street and Third avenue, for use of Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	\$1,345 00
Building temporary bridge along Seventh avenue to connect McComb's Dam Bridge, and removing a portion of bridge and approaches west of connection, etc.....	9,990 50
Repairing building on Loew, Hewitt, Lawton and Thirteenth avenues, West Washington Market, damaged by fire.....	9,784 01
Furnishing and delivering 15,000 lineal feet of bridge stone.....	11,991 85
Furnishing and delivering tapping-cocks and tapping-cock boxes.....	1,925 00
Tinsmiths' work on the free floating baths.....	443 09
Repairing the north front of the City Hall with artificial stone and painting the same.....	6,231 99
	\$40,810 85
<i>Laying Water-main Contract.</i>	
Laying water-main from Seventy-ninth street to Blackwell's Island.....	\$11,528 00
<i>Fencing Contracts.</i>	
Fencing vacant lots in Eighty-eighth street, from Central Park, West, to Riverside Drive.....	\$670 05
Fencing vacant lots north side Ninety-ninth street, from Eighth to Ninth avenue.....	35 25
	\$706 28

RECAPITULATION.

19 Sewer and Receiving-basin Contracts.....	\$104,965 41
12 Regulating and Grading, Curbing and Flagging Contracts.....	13,988 55
36 Paving Contracts—Assessment Work.....	114,583 96
16 Repaving Contracts.....	165,577 72
7 Miscellaneous Contracts.....	40,810 85
1 Laying Water-main Contract.....	11,528 00
8 Fencing Contracts.....	706 28
87 Contracts.....	\$432,160 77

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 6, 1891.

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

DEAR SIR—In compliance with your instructions I herewith submit report for quarter ending June 30, 1891:

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs.....	\$37,825 55
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,636 84
Aqueduct—Repairs, Maintenance and Strengthening—Excavation, etc.....	25,425 00
Boulevard, etc.—Ramp for Approach to McComb's Dam Bridge.....	9,990 00
Bronx River Works—Maintenance and Repairs.....	4,949 09
Bronx River Works—Maintenance and Repairs—Salaries.....	600 00
Croton Water Fund.....	49,470 73
Fund for Viaduct.....	37,601 72
Laying Croton Pipes.....	63,030 41
Laying Croton Pipes—Salaries.....	3,964 00
Repairing and Renewal of Pipes, etc.....	34,989 56
Engineers, Clerks, etc.—Salaries.....	3,482 95
Water Meter Fund, No. 2.....	4,678 55
Water Supply for Twenty-fourth Ward.....	747 00
Total.....	\$283,391 43

STORAGE RESERVOIRS.

The Croton river furnished a full supply to the Aqueduct for 49 days.
Storage has been drawn as follows:

	Gallons.
Middle Branch Reservoir.....	470,000,000
Boyd's Corners Reservoir.....	210,000,000
Kirk Lake.....	120,000,000
Barrett Pond.....	20,000,000
Total.....	820,000,000

Rain-fall—Inches.

	APRIL.	MAY.	JUNE.	TOTAL FOR QUARTER.
Boyd's Corners Reservoir.....	3.77	1.36	1.81	6.94
Middle Branch Reservoir.....	2.76	1.50	2.30	6.56
Kensico Reservoir.....	2.43	1.97	0.65	5.05
Central Park Reservoirs.....	2.43	1.86	1.22	5.50
Croton Dam.....	2.66	2.30	2.32	7.28

The work on Reservoir "A" has been carried on steadily during the quarter. The Commission appointed to appraise the balance of the land for this reservoir have had several meetings, taking testimony as to same. The final plan sheets and six similar maps for another portion of the lands required for Reservoir "D" have been made and submitted to the Aqueduct Commissioners. Surveys, maps, etc., for the balance of the land for Reservoir "M" are being made; surveys, etc., also being made for the balance of the lands required for Reservoir "D."

BRONX RIVER SUPPLY.

An average of 10,000,000 gallons per day has been uninterruptedly furnished through this conduit.

Storage has been drawn, viz.:

	Gallons.
Kensico Reservoir.....	450,000,000

The report of the Commission appointed to appraise the values of lands and damages necessary to divert the waters of the Byram river into Kensico Reservoir has been confirmed.

Surveys, maps, etc., for land, etc., necessary for the Byram river and Byram pond have continued.

Two gangs of men have been employed keeping in order the reservoirs and roads. Rye pond reservoir is full.

NEW AQUEDUCT.

A continuous supply has been received through the New Aqueduct, except during 7 days in April, when all necessary repairs were made, and, from all the information I can obtain, it is now in good working order.

This was turned over to this Department on June 30, 1891, with the exception of Shafts 21, 24 and 25, where work was still under construction.

AQUEDUCT REPAIRS, MAINTENANCE, ETC.

The work of changing the pipes, gate-houses, etc., at One Hundred and Thirty-fifth street, has been commenced. This work has been delayed on account of the New Aqueduct supply not being continuous, and since April by the construction of sewers on each side of Amsterdam avenue, where the work was to be commenced.

The work of excavating the old reservoir in Central Park was carried on vigorously until delayed by orders on June 10 from the Park Department as to the cartage of the material through Transverse road, which stopped the cartage of dirt, etc.

The work of building, masonry and concreting was commenced May 1, 1891, and is being prosecuted favorably.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

DIVISIONS.	EARTH EXCAVATION.	STONE QUARRIED.	DRY STONE MASONRY.	FENCE.		FILLING AND GRADING.	SEWER LAID.	BRICK MASONRY.	SODDING.	FLAGGING LAID.	PAVING.
				Built.	Repaired.						
	Cubic Yards.	Cubic Yards.	Cubic Yards.	Lineal Feet.	Lineal Feet.	Cubic Yards.	Lineal Feet.	Cubic Yards.	Square Yards.	Square Feet.	Sq. Yds.
First.....	....	....	47	....	....	....	....	....	....	....	....
Second.....	....	....	47	400	....	20	....	....	....	....	....
Third.....	100	150	221	412	....	....	....	9	....	....	....
Fourth.....	....	....	....	....	1,600	....	....	....	....	....	....
Fifth.....	....	....	25	600	550	65	....	....	503	160	....
Sixth.....	....	....	261	1,293	725	....	....	....	....	....	....
Seventh.....	....	....	....	240	535	120	120	....	506	536	106
Eighth.....	2,070	18,400	....	....	....	....	....	....	....	....	....
Totals.....	2,170	18,550	601	2,945	3,411	205	120	9	1,009	696	106

The work of repairs and maintenance has been carried on as usual. This includes the care of Croton Lake, gate-houses, reservoirs, pumping-stations, High Bridge, the care of the Aqueduct, tending leaks, building and repairing fences, etc.

The more particular work may be summarized as follows:

Division No. 1—The work on this division has been: Clearing the island in lake; cleaning up shore of lake; rebuilding stone wall along line of Aqueduct; repairing fences; repairing apron of dam; assisting linemen in cutting down and hauling old telephone poles; painting foot-bridge over dam; painting old gate-houses; rebuilding retaining-wall south of old gate-house and tending leaks.

Division No. 2—The work on this division has been: Cleaning up the line; refilling washouts on Leonard street; rebuilding retaining-wall on Blunt's bank; building new barbed-wire fence on Blunt's bank; building new board fence on west side of Brier Cliff road; rebuilt stone wall fence on Potten's bank; tending leaks, etc.

Division No. 3—The work on this division has been: Rebuilding stone wall fence on Long bank, with all the necessary tearing down of old wall and excavation for same; quarrying stone from Phelps' bank; building board and wire fence on Phelps' bank and crossing; building picket fence on Church bank; painting fences and roofs of keeper's and gate-houses; all the walls, ceilings and wood-work of keeper's house have been repainted. A wooden shed 25 x 15 was built near barn for the purpose of storing lumber, etc.; the sills and sleepers were hewed from the old telephone poles that were removed from the line. About one-third of the line has been cut and cleared of grass. The team has been employed in carting small stone where needed, lumber to where fences were being built, tools to blacksmith shop, and hay and grass to the barn. The horse and wagon has been employed in going over the line and visiting the shafts along the Aqueduct, from Nos. 7 to 11.

Division No. 4—The work on this division has been: Repairs to banks, crosswalks, culverts, drains and gutters; rebuilding fences, cleaning up Aqueduct, cutting grass, tending leaks, etc.

Division No. 5—The work on this division has been: Building stone wall, grading and filling; repairing culverts and crosswalks; sidewalk relaid on "Shonard" Terrace; building and repairing fences, cleaning up line, etc.

Division No. 6—The work on this division has been: Building and repairing board and wire fences; rebuilding stone wall fence; repairing crosswalks, culverts, drains, etc.; tending leaks and general maintenance.

Division No. 7—The work on this division has been: Building a sewer on the east side of High Bridge, on the dividing line of John Karl's property, from Cliff avenue to top of bank. Flagging has been laid from East gate-house to John Karl's, and the pavement from Engineer's office, extending along Aqueduct avenue, requiring 134 lineal feet of flagging; grading and sodding of banks over sewer along the line of the Aqueduct. Work has been done in repairing culverts, sewers and drains, also sodding bank running south from wooden steps leading to the reservoir. A great deal of rotten posts and fence has been removed and replaced with new rails, posts and anchors, requiring 206 5-inch rails, 20 chestnut posts and 24 bottom boards; also built a new fence on line of Park and Aqueduct property, 240 feet, using 106 fence rails, 33 posts and 22 bottom boards. Odd jobs of carpenter's work have been done: Engineer's office, engine and keeper's house. All the approaches to High Bridge have been kept in repair, and screening put in where needed.

The reservoir has been kept clean and free from scum and leaves. The road around the banks have had about 60 yards of screenings spread over them. A cobble-stone gutter 476 feet long and 2 feet wide has been laid along the wall from the Tower front to Tenth avenue, using about 27 yards of stone and 5 loads of sand. All the grass on the banks and around the works has been cut and hauled away; all the gate-houses have been kept clean and screws oiled. The coal dock has had an entire new floor. The walk from Engine-house has been repaired and 3 new culverts put in. The keeper's house has been plastered, painted and papered, and stationery wash-tubs put in. The requirements of this division are carefully looked after and strict personal attention given, that it may always present a clean and tidy appearance.

Division No. 8—The work on this division has been: Cleaning and repairs of Central Park and Forty-second Street Reservoirs, gate-houses, chambers and outside mains, cleaning, repairs and maintenance of high service works, Ninth and Tenth avenue gate-houses and grounds, cutting grass around reservoirs, doing odd jobs of carpenter and mason work; painted 4,285 feet of iron railing around reservoirs and One Hundred and Thirteenth street gate-house; continuing the improvement of the old reservoir and patrolling Central Park Reservoir.

LAYING CROTON PIPES.

Contracts for laying water-mains in—
Eighth avenue, between Ninety-seventh and One Hundredth streets.
Transverse road, from Eighth to Fifth avenue.

Fifth avenue, between Ninety-seventh and Ninety-third streets.
Ninety-third street, between Fifth and Lexington avenues.
Mosholu Parkway, from Williamsbridge road to Bronx River Park.
Bronx River Park, from Mosholu Parkway to Southern Boulevard.
Southern Boulevard, from Bronx River Park to One Hundred and Seventy-seventh street.
Washington avenue, intersection of One Hundred and Seventieth street.
Across the East river, from East Seventy-ninth street to Blackwell's Island.
—have been completed.

One contract for laying water-pipes has been entered into.

PIPE LAID DURING QUARTER.	
36-inch.....	6,326 lineal feet.
20-inch.....	614 "
12-inch.....	1,394 "
6-inch.....	17,104 "
Total.....	25,438 lineal feet, or 4.8 ³ / ₁₀₀ miles.

Stop-cocks Set.	
36-inch.....	1
20-inch.....	1
12-inch.....	6
6-inch.....	31
Total.....	39

Hydrants Placed.	
"A" hydrants.....	42
No. 1 hydrants.....	4
Total.....	46

TAPS.	
Number of taps put in during quarter.....	885

METERS.	
Number of meters placed during quarter.....	707
Number of meters in use March 31, 1891.....	21,828
Number of meters in use June 30, 1891.....	22,535

REPAIRING WATER-MAINS.

A gang of men have been employed relaying mains in Front, Water, East and the connecting and cross streets between Fulton street and Peck Slip and between Grand and Rivington streets; and in Park Row, between Pearl and Mott streets, and changing service pipes and taps to new mains.

ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

The work of building foundations for columns and abutments has been prosecuted vigorously and will be completed, ready for the iron work, in September. The iron work is now being put together, and the erection of same will be commenced in September.

The temporary approach to McComb's Dam Bridge has been completed.

WASTE AND USE OF WATER.

The supply to city is at present—	
	Gallons.
Through New Aqueduct.....	78,000,000
Through Old Aqueduct.....	70,000,000
Bronx river supply.....	10,000,000
Total daily supply.....	158,000,000

Since the warm dry weather the daily use has increased 10,000,000 gallons per day, and the reservoirs in the city have lost two feet.

Effort is being made to stop waste in tanks which overflow at night. The pumping machinery is taxed to its utmost capacity to supply the district above 60 feet above mean high tide, and the large number of new buildings in this district to be supplied will soon decrease the pressure.

Owing to the early dry weather in the Croton water-shed and the absence of steady and general rains for three months, the condition of the water in the Croton river has become bad, and a musty earthy taste developed, which now pervades Croton lake and the reservoirs in this city. Heavy general rains that will change all the water of the river and lakes is the only remedy.

Respectfully yours,

G. W. BIRDSELL, 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, 1891.

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

SIR—I have the honor to submit the following summary of the transactions of Bureau of Water Purveyor for the quarter ending June 30, 1891:

RECEIPTS.	
For permits for the construction of vaults.....	\$34,261 37
For labor and materials furnished.....	429 50
Total.....	\$34,690 87

EXPENDITURES.	
Public Drinking-hydrants, 1891.....	\$592 54
Public Drinking-hydrants—Salaries.....	230 00
Repairs and Renewal of Pavements and Regrading, 1889.....	541 17
Repairs and Renewal of Pavements and Regrading, 1890.....	42,107 87
Repairs and Renewal of Pavements and Regrading, 1891.....	77,414 71
Repairs and Renewal of Pavements and Regrading—Salaries.....	4,684 50
Repaving Streets and Avenues, 1889.....	2,963 35
Repaving Streets and Avenues, 1890.....	80,218 50
Repaving Streets and Avenues, 1891.....	30,030 55
Repaving Streets and Avenues—Salaries.....	4,990 50
Repairing and Renewal of Pipes, Stop-cocks, etc.....	29,063 44
Street Improvement Fund.....	163,435 12
Restoring and Repaving—Special Fund—Department of Public Works.....	9,957 28
Repaving, chapter 346, Laws of 1889, 1889.....	8,629 90
Repaving, chapter 346, Laws of 1889, 1890.....	41,572 88
Repaving, chapter 346, Laws of 1889, 1891.....	49,030 26
Boulevards, Roads and Avenues, Maintenance of—Resurfacing Seventh Avenue.....	14,235 48
Contingencies—Department of Public Works.....	11 00
Total.....	\$559,709 11

PERMITS ISSUED.
80 for the construction of vaults.
60 for repairs to vaults.
125 for the erection of guy posts.
85 for building fires on the streets for roofing purposes, etc.
25 for repairs to pavements at expense of applicants.
In addition to the above the following special permits were issued, under resolutions of the Board of Aldermen:
To H. F. C. Koch & Co.—Resolution April 3, 1891, to lay a crosswalk across West One Hundred and Twenty-fifth street, opposite No. 136.
To Henry Von Minden—Resolution June 5, 1891, to lay a crosswalk across Grand street, opposite No. 125.
To Ridgewood Ice Co.—Resolution June 15, 1891, to put in a platform scale in Seventy-ninth street, near the southeast corner of Avenue B.
To James A. Hearn & Son—Resolution June 11, 1891, to lay a crosswalk across West Fourteenth street, opposite No. 24, and also across West Thirteenth street, opposite No. 21.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

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

In April	71	mechanics,	85	laborers,	18	carts,	2	teams.
In May	182	"	200	"	59	"	3	"
In June	220	"	240	"	74	"	3	"

97,641 square yards of pavement were taken up and relaid by the above force.
208 square yards of asphalt pavement were taken up and renewed under various orders given to the several asphalt paving companies.

Under contracts let in 1890, the following work was completed:

Old Belgian Blocks Taken Up and Relaid.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Sixth street.....	Lexington avenue to East river.....	17,120.70	2,489.8
Sixth avenue.....	Fifty-seventh to Fifty-ninth street.....	2,901.90	553.7
One Hundred and Twenty-seventh street	Sixth to Seventh avenue.....	2,666.30	811.0
"	Seventh to Eighth avenue.....	2,715.50	824.5
One Hundred and Twenty-eighth street.	Second to Lexington avenue.....	3,534.10	1,094.7
"	Sixth to Seventh avenue.....	2,650.10	810.8
One Hundred and Thirty-first street....	"	2,676.50	813.8
Total		34,325.10	7,398.3

Old Belgian Blocks Removed and Specification Trap-blocks put in place.

One Hundred and Thirtieth street.....	Fourth to Sixth avenue.....	5,979.40	1,835.3
Forty-ninth street.....	Second to Third avenue.....	2,109.90	639.3
Sixty-fifth street.....	Lexington to Fourth avenue.....	1,449.00	440.6
Sixty-seventh street.....	"	1,429.90	434.0
Thirty-second street.....	Sixth to Seventh avenue.....	2,727.90	830.0
Eightieth street.....	Second to Third avenue.....	2,468.20	723.8
Eighty-seventh street.....	"	2,139.90	650.7
Total		18,304.20	5,553.7

Making a total of 52,629.3 square yards taken up and relaid under contracts. The total number of square yards of pavement taken up and relaid by contract, by the street repair force, etc., is 150,370.3.

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

The average force employed in making repairs to fire-hydrants, Croton-water mains and pipes, was as follows:

In April	36	mechanics,	93	laborers,	15	carts.
In May	37	"	90	"	15	"
In June	38	"	90	"	15	"

Amongst other work done by this force, 168 old fire-hydrants were taken out and replaced with new ones.

PUBLIC DRINKING-HYDRANTS.

31 public drinking-hydrants were repaired.
Three new ones were substituted for old ones and 12 new public drinking-hydrants were erected at the following locations:
Southeast corner of One Hundred and Eighth street and Amsterdam avenue.
One Hundred and Seventy-third street 25 feet west of Eastburn street.
No. 1750 Lexington avenue.
No. 586 Greenwich street.
South side One Hundred and Sixteenth street 25 feet west of Eighth avenue.
Junction of Houston and Norfolk streets.
No. 2501 Second avenue.
No. 611 Hudson street.
One Hundred and Ninety-seventh street and Kingsbridge road.
One Hundred and Twenty-second street and Eighth avenue.
One Hundred and Tenth street 250 feet east of Boulevard.
No. 492 First avenue.
In April the water was set running in all the public drinking-hydrants throughout the city.

REPAVING STREETS AND AVENUES UNDER CHAPTER 476, LAWS OF 1875.

Work on contracts for repaving the following-named thoroughfares was completed:

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Chambers street.....	Washington to Greenwich street.....	194.0	60.0
Goerck street.....	Grand to Third street.....	824.8	757.4
Spring street.....	West to Greenwich street.....	1,587.4	433.0
Greenwich street.....	Fulton to Chambers street.....	4,128.7	1,250.0
Church street.....	Chambers to Canal street.....	5,062.6	2,219.9
Mangin street.....	Grand to Houston street.....	1,368.6	515.5
South William street.....	William to Broad street.....	1,121.6	521.3
William street.....	Pine to Frankfort street.....	4,224.4	1,972.6
Fifty-second street.....	Eleventh to Twelfth avenue.....	2,651.3	813.8
Twenty-sixth street.....	Tenth to Eleventh avenue.....	564.8	172.7
One Hundred and Twenty-fourth street.	Park to Fifth avenue.....	3,305.7	966.9
Seventy-second street.....	Third to Fourth avenue.....	3,833.0	871.8
Total (including crosswalks) ..		29,411.9	10,564.9

Length in miles, 2.00.

With Asphalt.

Sixty-third street.....	Madison to Fifth avenue.....	1,498.9	458.5
Sixty-sixth street.....	Lexington to Third avenue.....	1,481.2	449.3
Sixty-seventh street.....	"	1,304.8	388.1
Total (including crosswalks) ..		4,284.9	1,295.9

Length in miles, 0.245.

Summary.

Repaved with granite blocks.....	29,411.9	MILES.	2.000
Repaved with asphalt.....	4,284.9		.245
Total work done under above appropriation	33,696.8		2.245

REPAVING UNDER CHAPTER 449, LAWS OF 1889, STREETS LYING WITHIN THE LIMITS OF GRANTS OF LAND UNDER WATER; COST OF WORK ASSESSED UPON PROPERTY LYING WITHIN THE LIMITS OF SAID GRANTS.

The following contracts were completed:

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Spring street.....	West to Greenwich street.....	425.00	127.0
Chambers street.....	"	2,021.00	350.0
Canal street.....	West to Washington street.....	345.00	96.0
Goerck street.....	Grand to Third street.....	6,019.00	2,298.0
Tompkins street.....	Grand to Stanton street.....	3,504.00	1,015.0
Eleventh avenue.....	Twenty-seventh to Thirtieth street.....	5,047.55	776.0
Thirteenth avenue.....	Seventeenth to Eighteenth street.....	1,802.66	208.0
North Moore street.....	West to Washington street.....	977.33	350.0
Total.....		20,135.54	5,220.0

Length in miles, 0.988.

With Trap Blocks.

Thirty-fourth street.....	First avenue to East river.....	1,895.00	300.0
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Length in miles, 0.057.

With Asphalt.

Sixteenth street.....	Avenue C to East river.....	3,300.70	948.0
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Length in miles, 0.180.

Summary.

Repaved with granite blocks.....	20,135.54	5,220.0
Repaved with trap blocks.....	1,895.00	300.0
Repaved with asphalt.....	3,300.70	948.0
Total repavement under chapter 449, Laws of 1889.....	25,331.24	6,468.0

Length in miles (including crosswalks), 1.225.

REPAVING (CHAPTER 346, LAWS OF 1889).

(Annual appropriation of one million dollars.)

The following contracts were completed.

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Canal street.....	Hudson street to Bowery.....	27,236.1	4,154.3
Length in miles, 0.785.			
<i>With Asphalt.</i>			
Sixteenth street.....	Fifth to Sixth avenue.....	3,166.8	952.9
Twentieth street.....	"	3,155.5	946.2
Twenty-first street.....	"	3,162.4	945.8
Twentieth and Twenty-first streets....	Fronting Gramercy Park.....	3,248.2	1,002.2
Gramercy place.....	East and west.....	1,348.0	429.0
Madison avenue.....	Sixtieth to Sixty-sixth street.....	4,880.1	1,526.2
Fifty-seventh street.....	Fifth to Madison avenue.....	2,015.3	813.8
Twenty-ninth street.....	Fifth avenue to Broadway.....	1,583.7	501.9
Total repavement with asphalt (crosswalks included).....		22,560.0	7,118.0

Length in miles, 1.348.

Summary.

Repaved with granite.....	27,236.1	MILES.	.786
Repaved with asphalt.....	22,560.0		1.348
Total repavement under chapter 346, Laws of 1889.....	49,796.1		2.134

ASSESSMENT WORK.

The following-named thoroughfares were paved for the first time:

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Ninety-fourth street.....	First to Second avenue.....	2,224.0	667.0
Ninety-eighth street.....	Eighth to Ninth avenue.....	2,733.0	820.0
Twelfth avenue.....	One Hundred and Twenty-ninth to One Hundred and Thirtieth street.....	4,355.0	309.0
West End avenue.....	Ninety-sixth to Ninety-ninth street.....	4,004.4	750.0
One Hundred and Forty-seventh street.	Amsterdam to St. Nicholas avenue.....	2,755.4	830.3
Eightieth street.....	Amsterdam avenue to Boulevard.....	1,431.6	429.7
Eighty-seventh street.....	Madison to Fifth avenue.....	1,489.0	447.8
Eighty-ninth street.....	Tenth avenue to Boulevard.....	1,198.6	352.0
Sixty-fourth street.....	Tenth to Eleventh avenue.....	2,774.0	814.0
One Hundred and Fifty-first street.....	Tenth to St. Nicholas avenue.....	2,215.0	669.5
Sixty-seventh street.....	Eighth to Ninth avenue.....	2,752.0	826.0
Madison avenue.....	One Hundred and Sixteenth to One Hundred and Twentieth street.....	4,439.6	961.2

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Ninth street.....	Madison to Fifth avenue.....	1,481.0	444.8
Eighty-eighth street.....	".....	1,493.0	448.4
Ninety-fifth street.....	Tenth avenue to Boulevard.....	1,188.2	357.0
Total (crosswalks included).....		36,473.8	9,126.7

Length in miles, 1.728.

With Trap-block Pavement.

One Hundred and Forty-second street ..	Tenth to Eleventh avenue.....	2,722.0	807.0
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Length in miles, 0.152.

With Asphalt.

West End avenue	Ninety-ninth to One Hundred and Fourth street	5,852.0	1,250.0
One Hundred and Thirty-eighth street..	Eighth to Edgecombe avenue.....	1,238.6	372.0
One Hundred and Twentieth street.....	Seventh to Eighth avenue.....	2,397.4	729.3
Total (crosswalks included).....		9,488.0	2,351.3

Length in miles, 0.446.

CROSSWALKS

Were laid at the following points and the cost of the work was assessed upon the property benefited:
 Across One Hundred and Seventeenth street, on the east and west sides of Lexington avenue.
 Across Hamilton place, on the north side of One Hundred and Thirty-eighth street.
 Across One Hundred and Seventy-fifth street, on the east and west sides of Eleventh avenue, and
 Across Eleventh avenue, on the north and south sides of One Hundred and Seventy-fifth street.
 Reduced to square yards of pavement their total amounts to 170.

SUMMARY OF NEW PAVEMENT.

	SQUARE YARDS.	MILES.
Granite blocks	36,473.8	1.728
Trap blocks.....	2,722.0	.152
Asphalt.....	9,488.0	.446
Total	48,683.8	2.326

Recapitulation of Assessment and Repaving Works Combined.

PAVEMENT.	REPAVING STREETS AND AVENUES.	CHAPTER 449, LAWS OF 1889.	REPAVING, CHAPTER 346, LAWS OF 1889.	ASSESSMENT.	TOTAL SQUARE YARDS.
Granite.....	29,411.9	20,135.54	27,236.1	36,473.8	113,257.34
Asphalt.....	4,248.9	3,300.70	22,560.0	9,488.0	39,597.60
Trap		1,895.00		2,722.0	4,617.00
Total number of square yards laid.....					157,471.94

STREET OPENINGS.

6,748 openings were made to repair all mains other than Croton water, and to make repairs and connections for gas, steam, water, sewer and electric-lights and subways.
 565 notices were sent to corporations and others to repair the pavement where opened by them.
 552 defective places in the pavements were repaired in compliance with said notices.
 15.38 miles of gas-mains were laid.
 20.13 miles of trench were opened for subways, etc.
 1,313 lineal feet of steam-pipe were laid.
 1,194 lineal feet of salt water-mains were laid.
 2,700 lineal feet of double car-tracks were laid.
 200 lineal feet of single car-tracks were laid.
 8,368 lineal feet of cable railroad tracks and conduits were laid.

The following is a table showing the area and mileage of the different kinds of pavement in New York City, below the Harlem river on the 30th day of June, 1891:

KIND OF PAVEMENT.	SQUARE YARDS.	MILES.
Specification granite.....	2,613,524.87	119.34
Block granite	671,789.00	25.80
Specification trap	1,249,471.23	67.56
Belgian.....	2,606,295.07	110.54
Cobble	44,599.94	1.83
Asphalt.....	419,623.36	18.55
Wood	516.00	.03
Macadam.....	847,831.90	23.88
Total	8,453,651.37	367.53

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 3, 1891.

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, 1891:
 13,181 lineal feet of new sewers and 23 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,325,791 lineal feet (440,180 miles),

with 5,279 receiving-basins, which number includes 5 built under special contract, as hereafter stated.

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

19 sewer and 5 basin contracts have been completed, viz.:
 Sewer in Ninety-ninth street, between Madison and Fifth avenues.
 Sewer in Ninety-ninth street, between Boulevard and West End avenue.
 Sewer in One Hundred and Second street, between Boulevard and West End avenue.
 Sewer in Fifty-second street, between Hudson river and Eleventh avenue.
 Sewer in One Hundred and Fourth street, between Harlem river and First avenue.
 Sewer in Eighty-second street, between Boulevard and Amsterdam avenue.
 Sewer in Bridge street, between Broad and Whitehall streets.
 Sewer in South street, between Broad and Whitehall streets, etc.
 Sewer in West street, between Jay and Desbrosses streets, etc.
 Sewer in Thirteenth avenue, east side, between Little West Twelfth and Thirteenth streets, etc.
 Sewer in Twelfth avenue, east side, between Thirty-fifth and Thirty-seventh streets, etc.
 Sewer in First avenue, between Forty-fifth and Forty-sixth streets, etc.
 Sewer in Tenth avenue, west side, between 316 feet north of One Hundred and Seventy-eighth street and 10 feet north of One Hundred and Ninetieth street.
 Sewer in Park avenue, west side, between Ninety-second and Ninety-third streets, etc.
 Sewer in Madison avenue, between One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets.
 Extension of sewer in Sixty-third street, between Amsterdam and Columbus avenues.
 Extension of sewer in Twenty-eighth street, between East river and First avenue, etc.
 Alteration and improvement to sewer in Eighth avenue, west side, between One Hundred and Twenty-fourth and One Hundred and Thirty-seventh streets, etc.
 Alteration and improvement to sewer in Ludlow street, between Delancey and Broome streets.
 Receiving-basin, southeast corner of Ninety-eighth street and First avenue.
 Receiving-basin, northwest and southwest corners of One Hundred and Eighth street and Boulevard.
 Receiving-basin, northeast and southeast corners of Ninety-sixth street and Boulevard.
 There are now in progress 33 contracts for new sewers, and 2 contracts for receiving-basins.
 1,097 receiving-basins and 30,873 lineal feet of sewer have been cleaned.

Yours, respectfully,

HORACE LOOMIS, Engineer in Charge of Sewers.

Statement Showing the Condition of Contracts under Engineer in Charge of Sewers, June 30, 1891.

DATE.	NATURE AND LOCATION OF WORK.	Estimated Cost.	Amount Earned.	Time Allowed.	Time Consumed.	Time Remaining.	REMARKS.
				Days.	Days.	Days.	
1889.							
Mar. 28	Sewer in South street, between Roosevelt street and Pike Slip, etc.	\$44,469 00	\$36,057 50	400	265	135	
May 1	Sewer in West street, between Carlisle and Dey streets, etc.	33,505 00	29,150 00	350	255	95	
" 21	Sewer in West street, between Dey and Murray streets, etc.	37,401 00	29,685 00	275	323	..	
Dec. 9	Extension of sewer outlet in Rivington street at East river.....	8,049 00	7,017 50	75	70	5	
1891.							
Apr. 24	Alteration and improvement to sewer in South Fifth avenue, between Broome and Canal streets.....	9,246 00	2,860 00	90	40	50	
" 29	Alteration and improvement to sewer in Sullivan street, between Canal and Broome streets; in Broome street, between Sullivan and Thompson street, and in Thompson street, between Broome and Spring streets.	16,740 00	3,675 00	125	40	85	
May 14	Alteration and improvement in Essex street, between Delancey and Broome streets, etc.	2,631 30	2,573 50	40	36	4	Nearly completed.
1890.							
June 9	Sewer in One Hundred and Seventy-eighth street, between Tenth avenue and Kingsbridge road, and in Kingsbridge road, east side, between One Hundred and Seventy-eighth and One Hundred and Seventy-ninth streets.....	17,686 50	9,472 50	450	262	188	
Aug. 14	Sewer in Ninety-first street, between Tenth avenue and summit east.....	10,672 75	10,979 50	200	225	35	
Oct. 6	Sewer in Fifty-fifth street, between Eighth and Ninth avenues.....	5,970 00	6,560 00	120	123	..	Work completed.
" 28	Sewer in Boulevard, west side, and West End avenue, between One Hundred and Fifth and One Hundred and Eighth streets.....	16,087 00	6,920 00	400	170	230	
" 17	Sewer in Amsterdam (Tenth) avenue, east side, between One Hundred and Thirty-first and a point about 180 feet north of house-line of One Hundred and Thirty-third street	10,250 00	6,789 00	250	171	79	
" 17	Sewer in Amsterdam (Tenth) avenue, west side, between One Hundred and Thirty-third street and a point 50 feet south of centre line of One Hundred and Thirty-sixth street	14,534 65	6,495 00	350	168	182	
" 27	Sewer in Amsterdam (Tenth) avenue, east side, between One Hundred and Thirty-eighth and One Hundred and Forty-first streets, connecting with present sewer in One Hundred and Forty-first street east of Amsterdam (Tenth) avenue	9,368 00	5,492 00	280	170	110	
" 27	Sewer in Convent avenue, between manhole south of One Hundred and Thirty-fifth street and One Hundred and Thirty-fifth street; in One Hundred and Thirty-fifth street, between Convent and Amsterdam avenues, and in Amsterdam avenue, east side, between One Hundred and Thirty-eighth and One Hundred and Forty-first streets.....	16,335 00	8,461 50	430	170	260	
" 27	Sewer in One Hundred and Fortieth street, between Hamilton place and Amsterdam (Tenth) avenue, and in Amsterdam (Tenth) avenue, west side, between One Hundred and Fortieth and One Hundred and Thirty-eighth streets.....	11,170 00	7,967 00	290	169	121	
Dec. 29	Sewer in Seventy-ninth street, between Boulevard and Amsterdam avenue.....	2,859 00	2,117 00	75	88	..	Work extended.
1891.							
Jan. 6	Sewer in One Hundred and Sixty-ninth street, between Amsterdam and Eleventh avenues.....	7,620 00	1,907 00	200	96	104	
" 9	Sewer in One Hundred and Sixteenth street, between Amsterdam avenue and Morningside avenue, West, connecting with present sewers in said avenue.....	12,180 00	4,272 00	300	86	234	
1890.							
Apr. 23	Sewer in Boulevard, east side, between One Hundred and Twelfth and One Hundred and Thirteenth streets, and in One Hundred and Thirteenth street, between Boulevard and Tenth avenue.....	10,926 00	9,012 75	300	318	..	
Nov. 6	Sewer in Ninety-fifth street, between Harlem river and First avenue.....	9,434 75	9,261 45	100	131	..	
Dec. 29	Sewers in First avenue, between Forty-fourth and Forty-fifth streets.....	3,271 00	3,380 25	80	80	..	Work completed.
Apr. 24	Sewer in Edgecomb avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets	41,315 00	.....	800	40	760	Just commenced.

DATE.	NATURE AND LOCATION OF WORK.	Estimated Cost.	Amount Earned.	Time Allowed.	Time Consumed.	Time Remaining.	REMARKS.
				Days.	Days.	Days.	
1890 Apr. 27	Sewer in One Hundred and First street, between Park and Madison avenues.....	\$1,652 50	\$1,312 50	45	43	..	Completed.
" 27	Sewer in One Hundred and Second street, between Park and Madison avenues.....	1,816 25	1,425 00	40	42	..	"
May 4	Sewer in Seventy-second street, extending about 615 feet east of Avenue A.....	14,692 00	700 00	300	39	261	
" 14	Sewer in Park avenue, east side, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.....	990 25	737 30	20	21	..	Completed.
" 14	Sewer in Seventy-first street, between Boulevard (Sherman Square) and summit west.....	1,917 00	690 00	59	34	16	
" 8	Alteration and improvement to sewer in Avenue St. Nicholas, west side, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets; sewer in One Hundred and Forty-ninth street, between Avenue St. Nicholas and Amsterdam avenue, and in Amsterdam avenue, east side, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets.....	8,769 20	432 00	150	31	119	
" 25	Sewer in South street, between Market Slip and Montgomery street, etc., etc.....	36,122 00	.....	250	28	222	Just commenced.
Nov. 3	Sewer in Fifth avenue, between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, and in One Hundred and Thirty-seventh street, between Fifth and Sixth avenues, with alteration and improvements to existing sewer in Fifth avenue, between One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets.....	8,778 75	9,372 50	120	155	..	
1891. Apr. 24	Alteration and improvement to sewer in Mercer street, between Canal and Grand streets.....	5,267 50	5,110 00	50	49	1	Completed.
May 16	Sewer in First avenue, between Ninth and Ninety-first streets.....	2,992 50	770 00	85	34	51	
June 18	Sewer in Edgecomb avenue, between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, connecting with present sewer in One Hundred and Fortieth street.....	1,272 50	.....	40	..	..	Just commenced.
" 9	Receiving-basin, northwest corner of One Hundred and Forty-sixth street and Eighth avenue.....	254 00	230 00	6	6	..	Completed.
" 12	Receiving-basin, southeast corner of One Hundred and Fifteenth street and Fifth avenue.....	239 00	219 00	5	6	..	"
" 12	Receiving-basin, northeast corner of Fifty-fifth street and Avenue A.....	372 00	.....	8	..	..	Just commenced.
" 12	Receiving-basin, southeast corner of One Hundred and Sixteenth street and Fifth avenue.....	258 00	230 00	7	39	..	Work abandoned.

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING JUNE 30, 1891.

Credit to General Fund— Amount received for 297 permits for sewer connections.....	\$8,657 82
Engineers' Fees— Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund.....	\$14,699 33
Sewers—Repairing and Cleaning— Balance on hand March 31, 1891..... Vouchers transmitted to the Commissioner of Public Works— Pay-roll of Laborers, etc..... Cleaning..... Materials and sundries..... Balance, June 30, 1891.....	\$103,540 75 \$20,057 50 2,311 33 1,469 22 79,702 70 103,540 75
Sewers—Repairing and Cleaning, 1890— Balance on hand, March 31, 1891..... Vouchers transmitted to the Commissioner of Public Works— Sundries..... Balance, June 30, 1891.....	\$3,858 50 \$406 00 3,452 50 3,858 50
Sewers—Repairing and Cleaning—Salaries— Balance on hand March 31, 1891..... Vouchers transmitted to the Commissioner of Public Works— Pay-roll of Inspectors, etc..... Balance, June 30, 1891.....	\$7,570 02 \$2,481 98 5,088 04 7,570 02
Sewerage System—Salaries— Balance on hand March 31, 1891..... Vouchers transmitted to the Commissioner of Public Works— Pay-roll of Engineers, etc..... Balance, June 30, 1891.....	\$6,631 25 \$1,977 42 4,653 83 6,631 25
Boring Examinations for Grading and Sewer Contracts— Balance on hand March 31, 1891..... Vouchers transmitted to the Commissioner of Public Works— Pay-roll of Axeman, etc..... Balance, June 30, 1891.....	\$3,064 00 \$840 50 2,223 50 3,064 00
Restoring and Repaving—Special Fund— Amount received for permits for street openings.....	\$9,161 61
Street Improvement Fund— Vouchers transmitted to the Commissioner of Public Works— Pay-roll of Engineers, etc..... Pay-roll of Inspectors, etc..... On contracts.....	\$5,299 98 12,119 70 163,093 23 \$180,512 91

Work done by Mechanics and Laborers—
336 receiving-basins relieved.
1,097 receiving-basins and culverts cleaned.
13,520 lineal feet of sewer cleaned.
2,000 lineal feet of sewer relieved.
282,079 lineal feet of sewer examined.
20 lineal feet of brick sewer built.
21 lineal feet of pipe sewer built.
120 lineal feet of brick sewer rebuilt.
14 lineal feet of brick sewer repaired.

Work done by Mechanics and Laborers—

24 lineal feet of box sewer repaired.
18 lineal feet of brick culvert repaired.
54 lineal feet of new pipe culvert laid.
21 lineal feet of spur pipe laid.
46 lineal feet of new curb set.
22 lineal feet of curb reset.
360 manhole heads reset.
14 basin heads reset.
39 basins repaired.
21 manholes repaired.
30 new manhole heads and covers put on.
10 new basin heads and covers put on.
33 new basin covers put on.
21 new manhole covers put on.
16 steam pipes plugged.
1,610 cubic feet of brick work built.
360 square feet of flagging relaid.
406 square yards of pavement relaid.
8,767 cubic feet of earth excavated and refilled.
3,639 cart-loads of dirt removed.
8 cart-loads of earth filling.

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, 1891.

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, 1891.

Respectfully submitted,

W. M. DEAN, Superintendent of Street Improvements.

STATEMENT OF AMOUNT OF WORK DONE DURING THE QUARTER ENDING JUNE 30, 1891.

Earth excavated.....	cubic yards.	10,100
Rock excavated.....	"	14,778
Filling furnished.....	"	69,554
Curb-stones set.....	lineal feet.	5,040 10
" reset.....	"	2,045 10
Flagging laid.....	square feet.	29,063
" relaid.....	"	2,014 10
Picket fence built.....	lineal feet.	1,566
Rubble masonry.....	cubic yards.	482
New blue-stone steps set.....	"	5
Old blue-stone steps reset.....	"	28
Iron fence built.....	lineal feet.	1,500

AMOUNT OF VOUCHERS DRAWN.

Street Improvement Fund.....	\$51,584 98
Street Improvements—For Surveying, etc.....	585 00
Contingencies—Department of Public Works.....	283 35
Retaining-walls in East Fifty-first and East Forty-second Streets.....	2,470 80
Total.....	\$54,924 13

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting, etc.....	\$3,000 00
Amount of vouchers drawn during first quarter.....	\$577 50
Amount of vouchers drawn during second quarter.....	585 00
Outstanding liabilities.....	1,289 00
Balance (estimated).....	548 50
	3,000 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$2,000 00
No vouchers drawn during quarter.	
Outstanding liabilities.....	\$80 00
Balance.....	1,920 00
	\$2,000 00
Retaining-walls in East Fifty-first and East Forty-second Streets— Amount of vouchers drawn during first quarter..... Amount of vouchers drawn during second quarter.....	\$292 00 2,470 80 \$2,762 80
Contingencies—Department of Public Works— Amount of vouchers drawn during quarter.....	\$283 35

WORKS COMPLETED.

Regulating, Grading, Curbing and Flagging— One Hundred and Forty-eighth street, from Seventh avenue to Harlem river..... One Hundred and Eleventh street, from Eighth to Manhattan avenue..... Ninety-ninth street, from Third to Park avenue.....	\$2,527 65 1,565 84 8,493 97 \$12,587 46
Curbing, Recurbing, Flagging and Reflagging— Seventy-seventh street, from Boulevard to West End avenue..... East side West End avenue and west side Boulevard, from Seventy-sixth to Seventy-seventh street..... South side Fifty-first street, from Eleventh to Twelfth avenue..... One Hundred and Forty-second street, from Amsterdam avenue to Hamilton place..... South side One Hundred and Thirteenth street, from Fifth to Madison avenue..... One Hundred and Twenty-second street, from Manhattan to Columbus avenue..... South side Sixtieth street, 100 feet east of Eleventh avenue..... Nos. 7 and 9 Abingdon Square..... Nos. 10, 12 and 14 West Fifty-sixth street..... Thirty-second street, from Lexington to Fourth avenue..... Seventy-seventh street, Avenue A to East river.....	\$386 70 253 01 1,711 34 518 41 244 59 284 40 300 77 194 22 92 90 1,668 75 1,136 17 6,821 26
Fencing Vacant Lots— North side Ninety-ninth street, from Eighth to Ninth avenue..... Eighty-eighth street, from Central Park, West, to Riverside Drive.....	\$39 75 802 49 842 24
Total.....	\$20,250 96

RECAPITULATION.

3 contracts for regulating, grading, etc.....	\$12,587 46
11 contracts for curbing, flagging, etc.....	6,821 26
2 contracts for fencing.....	842 24
16 contracts. Total.....	\$20,250 96

Document "I."

REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF LAMPS AND GAS, }
NEW YORK, July 13, 1891. }

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

SIR—I herein submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending June 30, 1891:

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

Exhibit "B" is a summary of the appropriation for "Lamps and Gas and Electric Lighting," and this shows an expenditure during the quarter of one hundred and eighty-seven thousand five hundred and forty-one dollars and fifty-four cents (\$187,541.54), and for the past six months of three hundred and eleven thousand one hundred and ninety-five dollars and eighty-six cents (\$311,195.86), with liabilities for lighting public lamps, month of June, etc., amounting to sixty-eight thousand two hundred and seventy-seven dollars and seventy-two cents (\$68,277.72), leaving an available balance of three hundred and eighty thousand five hundred and twenty-six dollars and forty-two cents (\$380,526.42).

Exhibit "C" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—Salaries," and this shows an expenditure during the quarter of sixteen hundred and twenty-four dollars and ninety-five cents (\$1,624.95), and for the six months of three thousand two hundred and forty-nine dollars and ninety cents (\$3,249.90), leaving an available balance of three thousand two hundred and fifty dollars and ten cents (\$3,250.10).

Exhibit "D" is a summary of the "Lamp Account," showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric-light company during the quarter. A total of three hundred and twenty-five new gas-lamps and sixty-six new electric-lamps having been lighted, two hundred and fifty-five gas-lamps and one hundred and seven electric-lamps relighted and seven hundred and seventy-seven gas-lamps discontinued, of which six hundred and eighty-three were displaced by electric-lights. There was also twenty-nine electric-lamps discontinued on account of the removal of the wires. The total number of lamps lighted on June 30 was twenty-six thousand six hundred and thirty-four gas, one hundred and thirty-eight naphtha and eleven hundred and eight electric, and a grand total of all kind of twenty-seven thousand eight hundred and eighty.

Exhibit "E" is a statement showing the lowest, highest and average illuminating power of the gases supplied to the City by such of the gas companies as are within reach of our photometric stations.

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

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	SULPHURETED HYDROGEN.
Consolidated Gas Company—			
Branch 1.....	4.77	1.16	None.
Branch 2.....	7.99	8.09	"
Branch 3.....	3.96	0.67	"
Branch 4.....	13.70	23.24	"
Branch 6.....	4.78	1.22	"
New York Mutual Gas-light Company.....	3.44	0.23	Trace.
Equitable Gas-light Company.....	6.96	0.15	None.

The following shows the specific gravity of the gases:

Consolidated Gas Company—	
Branch 1, specific gravity.....	.616
Branch 2, ".....	.525
Branch 3, ".....	.639
Branch 4, ".....	.504
Branch 6, ".....	.608
New York Mutual Gas-light Company, specific gravity.....	.728
Equitable Gas-light Company, ".....	.699

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

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
Consolidated Gas Company—	Inches.	Inches.		Miles.
Branch 1.....	2.04	2.01	Cor. of Grand street and Bowery.	1.88
Branch 2.....	3.01	1.45	" "	1.88
Branch 3.....	2.78	1.74	" "	3.88
Branch 4.....	2.14	1.13	{ Seventy-ninth street, between } { Second and Third avenues. }	3.88
Branch 6.....	2.64	1.47	{ Seventy-ninth street, between } { Second and Third avenues. }	1.88
New York Mutual Gas-light Co....	3.39	2.18	Cor. of Grand street and Bowery.	1.88
Equitable Gas-light Company.....	3.28	1.78	" "	2.78

Contracts have been executed during the quarter as follows: With M. J. Drummond, for 1,000 lamp-posts; E. P. Gleason Manufacturing Company, for 2,500 lamps; Bartlett Lamp Manufacturing Company, for 500 Boulevard lamps; also contracts for lighting the public gas-lamps from May 1, 1891, to December 31, 1891, have been executed as follows: With the Consolidated Gas Company, Equitable Gas-light Company, Standard Gas-light Company, Central Gas-light Company, Northern Gas-light Company, The New York Mutual Gas-light Company, Yonkers Gas-light Company, New York and New Jersey Globe Gas-light Company.

Yours, respectfully,

S. McCORMICK, Superintendent of Lamps and Gas.

EXHIBIT "A."

Statement Showing the Amounts on Vouchers drawn for Gas to the Various Public Markets, Armories, etc., and for Fitting up, Maintaining and Lighting the Public Lamps, etc., for the Quarter ending June 30, 1891.

Washington Market.....	\$872 12
Catharine Country Market.....	40 25
Catharine Meat Market.....	19 25
Fulton Meat Market.....	306 75
Fulton Country Market.....	457 62
Essex Market.....	24 75
Centre Market.....	99 63
Clinton Market.....	263 62
Union Market.....	6 00
Tompkins Market.....	110 75
Jefferson Market.....	105 25
First District Police Court.....	358 63
Second District Police Court.....	103 00
Third District Police Court.....	48 00
Fourth District Police Court.....	115 00
Fifth District Police Court.....	27 62
First District Civil Court.....	2 50
Second District Civil Court.....	8 75
Fourth District Civil Court.....	15 50
Fifth District Civil Court.....	39 00
Sixth District Civil Court.....	1 25

Eighth District Civil Court.....	\$9 25
Ninth District Civil Court.....	5 26
Court of Special Sessions.....	55 14
Brown-stone (Court-room) Building.....	216 62
New Court-house.....	1,633 39
City Hall.....	565 49
Corporation Counsel's Office.....	13 00
Corporation Attorney's Office.....	34 13
Public Administrator's Office.....	2 87
Board of Assessors.....	9 88
Department of Public Works.....	206 87
Department of Taxes.....	7 25
CITY RECORD Bookbindery.....	4 63
Register's Office.....	92 75
County Jail.....	344 50
Pipe Yard, Rivington street.....	3 88
Pipe Yard, East Twenty-fourth street.....	6 13
Water Purveyor's Shop, Mulberry street.....	1 87
Water Purveyor's Shop, West Thirtieth street.....	9 75
Water Purveyor's Shop, East Eighty-seventh street.....	7 88
Water Purveyor's Shop, East One Hundred and Twenty-fifth street.....	13 25
South Gate-house, Central Park.....	38 25
Engine-house, High Water Service, High Bridge.....	129 88
Engine-house, High Water Service, Ninety-eighth street.....	276 62
Clock-tower, Third District Court-house.....	356 75
New York City Civil Service Board.....	2 75
Bureau of Streets and Roads, West One Hundred and Nineteenth street.....	4 24
Corporation Yard, East Sixteenth street.....	3 38
Dog Pound, East One Hundred and Second street.....	5 87
Photometer Station, Grand street.....	15 00
Photometer Station, Seventy-ninth street.....	3 75
Seventh Regiment Armory.....	904 00
Eighth Regiment Armory.....	883 87
Ninth Regiment Armory.....	347 13
Twelfth Regiment Armory.....	572 50
Twenty-second Regiment Armory.....	921 50
Sixty-ninth Regiment Armory.....	143 12
Seventy-first Regiment Armory.....	310 25
Troop "A" Armory.....	92 63
First Battery Armory.....	107 00
Second Battery Armory.....	91 25
Public Bath, Battery.....	4 12
Public Bath, Market street, East river.....	1 25
Public Bath, Fifth street, East river.....	2 25
Public Bath, Horatio street, North river.....	3 75
Public Bath, Nineteenth street, East river.....	3 88
Public Bath, Twenty-eighth street, North river.....	1 63
Public Bath, Fiftieth street, North river.....	2 62
Public Bath, Fifty-first street, East river.....	3 12
Lighting public markets, etc. (Pay-rolls).....	789 00
Cleaning Photometrical Rooms (Pay-rolls).....	15 00
Gas examinations.....	392 50
Cartages.....	420 00
Rent of Photometrical Rooms, Grand street.....	150 00
Rent of Photometrical Rooms, Seventy-ninth street.....	90 00
New lamp-posts.....	109 60
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	1,885 68
New street-lamps.....	1,246 75
New Boulevard lamps.....	1,761 75
New crossheads.....	97 50
New lamp-irons.....	420 00
New street-signs.....	562 50
Lettering street names on Boulevard globes.....	90 00
Repairing and cleaning lamps.....	100 34
Gas-fitting, etc., at Photometrical Station, Grand street.....	29 90
Fitting up new lamps.....	1,438 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	992 00
Resetting and repairing lamp-posts.....	4,559 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	611 50
Lighting public lamps.....	86,954 45
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	36,538 71
Lighting electric-lamps.....	33,724 25
Lighting electric-lamps, Twenty-third and Twenty-fourth Wards.....	1,929 60
Lighting naphtha-lamps.....	771 94
Lighting incandescent lamps, City Hall.....	360 08

Total.....\$187,541 54

RECAPITULATION.

Gas to public offices, etc.....	\$11,501 49
Supplies to public lamps, etc.....	6,274 84
Supplies to public lamps, etc., Twenty-third and Twenty-fourth Wards.....	1,885 68
Fitting up new lamps.....	1,438 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	992 00
Resetting and repairing lamp-posts.....	4,559 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	611 50
Lighting public lamps.....	86,954 45
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	36,538 71
Lighting electric-lamps.....	33,724 25
Lighting electric-lamps, Twenty-third and Twenty-fourth Wards.....	1,929 60
Lighting naphtha-lamps.....	771 94
Lighting incandescent lamps, City Hall.....	360 08

Total.....\$187,541 54

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1891, Showing the Amounts Expended during the Quarter ending June 30, 1891, and the Amount Standing to the Credit of the Appropriation.

Amount appropriated for Lamps and Gas and Electric Lighting.....	\$760,000 00
Amount expended during the quarter ending March 31.....	\$123,654 32
Amount expended during the quarter ending June 30.....	187,541 54
	311,195 86

Balance against which no vouchers have been drawn.....\$448,804 14

LIABILITIES.

Consolidated Gas Company, lighting public lamps, month of June.....	\$22,273 66
Standard Gas-light Company, ".....	3,603 69
Equitable Gas-light Company, ".....	5,531 82
New York Mutual Gas-light Company, ".....	327 92
Central Gas-light Company, ".....	5,375 10
Northern Gas-light Company, ".....	5,505 21
Yonkers Gas-light Company, ".....	1,297 81
New York and New Jersey Globe Gas-light Company, lighting public lamps, month of June.....	254 44
United States Illuminating Company, lighting electric lamps, month of June.....	3,468 00
Brush Electric Illuminating Company, lighting electric lamps, month of June.....	3,379 50
East River Electric-light Company, lighting electric lamps, month of June.....	1,632 00
Mount Morris Electric-light Company, lighting electric lamps, month of June.....	1,536 00
Harlem Lighting Company, lighting electric lamps, month of June.....	2,109 00
North New York Lighting Company, ".....	1,444 50
Wellington Manufacturing Company, repainting metal street signs.....	93 00
J. L. Mott Iron Works, 20 lamp brackets.....	25 00
John Fox, 150 crossheads.....	95 00

Bartlett Lamp Manufacturing Company, 20 green police globes	\$95 00
Matthews Decorative Glass Company, 1,000 glass street signs	187 50
Wellington Manufacturing Company, repairing 500 street-lamps	610 00
E. P. Gleason Manufacturing Company, 50 lights, ruby door glass	62 50
E. P. Gleason Manufacturing Company, on account of contract for street lamps	2,905 50
M. J. Drummond, on account of contract for lamp-posts	2,867 32
Bartlett Lamp Manufacturing Company, on account of contract for Boulevard lamps	3,538 25
	\$68,277 73
Balance available June 30, 1891	\$380,520 42

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1891, Showing the Amount Expended during the Quarter ending June 30, 1891, with the Balance Standing to the Credit of the Appropriation.

Amount of appropriation for Lamps and Gas and Electric Lighting—Salaries	\$6,500 00
Amount expended during the quarter ending March 31	\$1,624 95
Amount expended during the quarter ending June 30	1,624 95
	3,249 90
Balance available June 30, 1891	\$3,250 10

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, 1891.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted March 31, 1891	3,396		
Number of new lamps lighted during the quarter	12		
Number of old lamps relighted during the quarter	5	3,413	
Less lamps discontinued during the quarter	10		
Less lamps discontinued on account of electric-lights	102		
Less lamps transferred to Equitable Gas-light Company	277	389	
Number of lamps lighted June 30, 1891			3,024
CONSOLIDATED GAS COMPANY, BRANCH 2.			
Number of lamps lighted March 31, 1891	1,702		
Number of new lamps lighted during the quarter	2		
Number of old lamps relighted during the quarter	77	1,781	
Less lamps discontinued during the quarter	3		
Less lamps transferred to Equitable Gas-light Company	142		
Less lamps transferred to Standard Gas-light Company	18	163	
Number of lamps lighted June 30, 1891			1,618
CONSOLIDATED GAS COMPANY, BRANCH 3.			
Number of lamps lighted March 31, 1891	2,016		
Number of new lamps lighted during the quarter	9		
Number of old lamps relighted during the quarter	9	2,016	
Less lamps discontinued during the quarter	1		
Less lamps discontinued on account of electric-lights	17		
Less lamps transferred to Equitable Gas-light Company	34		
Less lamps transferred to Standard Gas-light Company	276	328	
Number of lamps lighted June 30, 1891			1,688
CONSOLIDATED GAS COMPANY, BRANCH 4.			
Number of lamps lighted March 31, 1891	3,500		
Number of new lamps lighted during the quarter	56		
Number of old lamps relighted during the quarter	61	3,617	
Less lamps discontinued during the quarter	15		
Less lamps discontinued on account of electric-lights	30		
Less lamps transferred to Equitable Gas-light Company	327		
Less lamps transferred to Standard Gas-light Company	29	401	
Number of lamps lighted June 30, 1891			3,216
CONSOLIDATED GAS COMPANY, BRANCH 6.			
Number of lamps lighted March 31, 1891	4,878		
Number of new lamps lighted during the quarter	103		
Number of old lamps relighted during the quarter	56	5,037	
Less lamps discontinued during the quarter	31		
Less lamps transferred to Standard Gas-light Company	88	119	
Number of lamps lighted June 30, 1891			4,918
Total number of lamps lighted by Consolidated Gas Company			14,464
EQUITABLE GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	3,665		
Number of new lamps lighted during the quarter	1		
Number of old lamps relighted during the quarter	25		
Number of lamps transferred from Consolidated Gas Company	780		
Number of lamps transferred from Standard Gas-light Company	8		
Less lamps discontinued during the quarter	16	4,479	
Less lamps discontinued on account of electric-lights	244	260	
Number of lamps lighted June 30, 1891			4,219
STANDARD GAS-LIGHT COMPANY, MADISON SQUARE BRANCH.			
Number of lamps lighted March 31, 1891	757		
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	350		
		1,107	

Less lamps discontinued during the quarter	0		
Less lamps discontinued on account of electric-lights	17		
Less lamps transferred to Equitable Gas-light Company	8		
	25		
Number of lamps lighted June 30, 1891			1,082
STANDARD GAS-LIGHT COMPANY, HARLEM BRANCH.			
Number of lamps lighted March 31, 1891	1,414		
Number of new lamps lighted during the quarter	22		
Number of old lamps relighted during the quarter	5		
Number of old lamps transferred from Consolidated Gas Company	61		
Less lamps discontinued during the quarter	1	1,502	
Less lamps discontinued on account of electric-lights	1	2	
Number of lamps lighted June 30, 1891			1,500
Total number of lamps lighted by Standard Gas-light Company			2,582
NEW YORK MUTUAL GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	216		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	2		
Less lamps discontinued during the quarter		218	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			218
CENTRAL GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	2,500		
Number of new lamps lighted during the quarter	21		
Number of old lamps relighted during the quarter	23		
Less lamps discontinued during the quarter	17	2,544	
Less lamps discontinued on account of electric-lights	272	289	
Number of lamps lighted June 30, 1891			2,255
NORTHERN GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	2,230		
Number of new lamps lighted during the quarter	108		
Number of old lamps relighted during the quarter	1		
Less lamps discontinued during the quarter		2,339	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			2,339
SHOREHAM GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	557		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter		557	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			557
Total number of gas lamps lighted June 30, 1891			26,634
NAPHTHA-LAMPS.			
NEW YORK AND NEW JERSEY HOME GAS-LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	138		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter		138	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			138
ELECTRIC LAMPS.			
UNITED STATES ILLUMINATING COMPANY.			
Number of lamps lighted March 31, 1891	290		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter		290	
Less lamps discontinued on account of electric-lights		1	
Number of lamps lighted June 30, 1891			289
BRUSH ELECTRIC ILLUMINATING COMPANY.			
Number of lamps lighted March 31, 1891	210		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	63		
Less lamps discontinued during the quarter		273	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			273
EAST RIVER ELECTRIC LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	160		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter		160	
Less lamps discontinued on account of electric-lights		24	
Number of lamps lighted June 30, 1891			136
MONET MUSEUM ELECTRIC LIGHT COMPANY.			
Number of lamps lighted March 31, 1891	100		
Number of new lamps lighted during the quarter	0		
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter		100	
Less lamps discontinued on account of electric-lights		0	
Number of lamps lighted June 30, 1891			100

HARLEM LIGHTING COMPANY.				RECAPITULATION.			
Number of lamps lighted March 31, 1891	141	175	0	Number of gas-lamps lighted March 31, 1891	26,831	27,933	0
Number of new lamps lighted during the quarter	0			Number of naphtha-lamps lighted March 31, 1891	138		
Number of old lamps relighted during the quarter	34			Number of electric-lamps lighted March 31, 1891	964		
Less lamps discontinued during the quarter				Number of new gas-lamps lighted during the quarter	325	391	0
Number of lamps lighted June 30, 1891				Number of new naphtha-lamps lighted during the quarter	0		
				Number of new electric-lamps lighted during the quarter	66		
NORTH NEW YORK LIGHTING COMPANY.				Number of old gas-lamps relighted during the quarter	255	362	0
Number of lamps lighted March 31, 1891	41	107	0	Number of old naphtha-lamps relighted during the quarter	0		
Number of new lamps lighted during the quarter	66			Number of old electric-lamps relighted during the quarter	107		
Number of old lamps relighted during the quarter	0			Less gas-lamps discontinued during the quarter		28,686	94
Less lamps discontinued during the quarter				Less gas-lamps discontinued on account of electric-lights			
				Less naphtha-lamps discontinued during the quarter			
Number of lamps lighted June 30, 1891		107	0	Less electric-lamps discontinued during the quarter		806	29
Total number of electric-lamps lighted June 30, 1891		1,108		Total number of lamps lighted June 30, 1891			

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, 1891, as Shown by the Daily Observations at the Photometrical Stations 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 6.			N. Y. MUTUAL GAS- LIGHT CO.			EQUITABLE 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.		
Week ending—	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
Apr. 4, 1891	19.11	22.61	21.25	21.15	22.60	22.10	26.16	29.62	28.26	21.15	23.14	22.33	25.48	29.10	27.27	28.48	30.38	29.68	27.96	29.90	29.11
" 11, "	19.64	22.43	20.75	20.44	21.72	20.89	26.02	28.58	27.42	22.76	23.92	23.09	25.65	26.99	26.34	29.04	30.97	29.76	29.39	31.42	30.32
" 18, "	21.16	24.47	21.79	20.19	22.86	21.15	27.28	29.36	28.35	21.05	23.70	22.23	26.34	27.93	26.76	29.90	30.88	30.50	30.38	31.36	30.69
" 25, "	18.94	24.04	21.87	19.54	22.86	21.12	27.16	29.82	28.78	21.98	22.68	22.29	26.86	28.56	27.48	28.56	32.84	30.72	30.20	30.56	30.34
May 2, "	20.84	22.62	21.92	21.52	23.14	22.14	28.06	29.66	28.65	23.17	24.04	23.49	24.78	27.23	26.02	28.78	31.50	30.52	29.22	31.64	30.80
" 9, "	18.18	23.66	21.33	19.02	21.54	20.35	27.94	29.04	28.42	22.23	24.90	23.15	24.92	26.86	25.77	28.58	30.70	29.87	27.78	31.38	30.18
" 16, "	22.75	24.48	23.21	20.98	23.56	22.01	27.95	28.94	28.42	21.92	23.73	22.92	22.76	26.34	25.08	29.48	32.16	30.79	29.54	31.50	30.46
" 23, "	23.02	24.54	23.69	20.54	22.13	21.38	26.72	28.92	28.14	21.40	23.36	22.87	23.27	25.40	24.74	30.52	31.14	30.95	29.74	30.98	30.50
" 30, "	23.00	24.06	23.52	21.29	22.08	21.69	24.50	27.42	26.63	21.52	22.86	22.49	25.36	27.22	26.25	30.52	31.40	30.84	28.46	30.50	29.53
June 6, "	19.46	23.36	20.80	20.59	22.14	21.54	27.12	28.36	27.70	22.58	25.00	23.36	25.05	28.46	27.01	28.80	30.48	29.32	28.76	29.74	29.36
" 13, "	21.08	22.85	22.19	22.58	23.25	22.88	28.10	28.66	28.38	21.25	24.28	22.60	24.98	27.97	26.30	28.04	30.66	29.34	27.88	30.50	29.50
" 20, "	20.04	22.86	21.76	20.02	21.78	20.96	23.57	26.73	25.79	21.60	23.80	23.14	26.86	28.92	27.96	28.27	30.70	29.63	26.56	28.16	27.42
" 27, "	22.34	26.48	24.04	20.11	22.42	21.52	21.22	27.94	25.89	23.50	25.34	24.52	27.00	30.88	29.31	28.12	28.78	28.41	26.74	29.82	28.27
For the Quarter	18.18	26.48	22.16	19.02	23.56	21.52	21.22	29.82	27.69	21.05	25.34	22.96	22.76	30.88	26.64	28.04	32.84	30.02	26.56	31.64	29.73
Distance from gas-works	1 ⁸⁶ / ₁₀₀ Miles			1 ⁹⁸ / ₁₀₀ Miles			3 ⁸⁴ / ₁₀₀ Miles			3 ⁸⁸ / ₁₀₀ Miles			1 ⁵ / ₁₀₀ Miles			1 ⁵¹ / ₁₀₀ Miles			2 ¹⁰ / ₁₀₀ 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. 6			Bray's Slit Union No. 6			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, 1891.

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

SIR—In compliance with your instructions I have the honor to submit the following report of the transactions of this Bureau for the quarter ending June 30, 1891.

Among the principal items of work done by the Bureau were the following:

NEW CRIMINAL COURTS.

The new Criminal Court Building is not progressing as rapidly as it should, in consequence of the inability of the contractors to quarry, cut and deliver the worked granite to be used upon the first story. The plans for the granite call for massive blocks of stone difficult to quarry to the proper dimensions and requiring considerable time to dress. At this time the exterior granite walls of the building are above the street levels to about the following heights: On Franklin street, 100 feet east of Elm, 14 feet, and same street to corner of Centre street, 10 feet; on White street, about 100 feet east from Elm, 11 feet, and from these points on the above streets and on the line of Centre street, about 9 feet high. The Elm street front is about 18 feet high above the ground level and two rings of its archway of the Judges' entrance have been put in place. Two sides of the marble arcade arches have been furnished to a height about 13 feet above first-floor line, and the bases for the remaining sides are now being set. All the interior brick walls are ready for second tier of beams, and the vestibule-walls of the grand entrance from Centre street are up to height for third tier of beams, and the inside walls on the Elm street front of the building are about 12 feet high above second tier of beams. Housemiths are engaged placing the remaining beams to complete the second floor, and 21 cast-iron columns have been set in place on this floor. The 4 steel tubular boilers have been put together with fronts, dampers, dry steam cylinders, safety valves and steam take-off pipes, and the masonry to inclose them is now being built. A large portion of the fresh air ducts have been constructed in the cellar of the building. Some of the hot-air chambers have been completed and 2 air fans, each about 7 feet in diameter are in place and connected with the conducts. The steam piping connected with the heating system of the building, together with the apparatus for its ventilation, are actively progressing. The wrought-iron boiler stacks encased in heavy brickwork have been set up to a height of about 35 feet.

The number of workmen employed on the building June 30, 1891—1 foreman bricklayer, 17 bricklayers, 1 watchman, 3 granite fitters, 2 stone setters, 1 steam engineer, 3 derrickmen, 2 carpenters, 1 foreman housemith, 6 housemiths, 19 steam-fitters and foreman, 1 marble fitter, making a total of 79 immediately at work on the building. At granite quarry there are 135 men, and in the marble yard in the city, 45 marble cutters and 1 rubber, and in brown-stone yard, 50 stonecutters. Total number of workmen employed at date 309; this report does not include architects, draughtsmen, designers and workmen to whom portions of the work has been assigned. The contract for the new Criminal Court Building stipulates that the entire work shall be finished in 500 days.

The number of days since work began under masons' contract 391 days.

Days unfit for work 99 "

292 "

Remaining number of working days from June 30, 1891 208 days.

THE NEW HARLEM COURTS.

The work under the contract for the construction was promptly begun in compliance with your order, March 16, 1891, and it is progressing favorably; at this date, June 30th ultimo, the excava-

tions for the cellars and areas have been completed; the concrete and stone foundations for exterior and interior walls, piers and columns have been put in; the granite foundations, the brick and iron work of the cellar, including columns and girders, have been finished. The dressed granite, exposed below the sidewalk in the areas on the Sylvan place and One Hundred and Twenty-first street fronts of the building, is set to the level of the basement floor, and workmen are engaged in the setting of a large quantity of cut granite, already delivered on the ground. The first-story iron and wood beams are in place. The housemiths have set the iron guards on the windows of prison inclosure and the door-frames for the prison cells. The rear walls are up to receive their second tier of beams, and two of the interior walls are ready for the second or principal story, the beams for which have been delivered at the building.

The following list shows the number of workmen employed on the building, June 30th ultimo: 20 bricklayers and foreman, 14 laborers, 7 stonemasons and stonecutters, 6 derrickmen, 5 framers—Total, 53 workmen.

The time allowance under the contract 400 days.

Date of order to proceed with the execution of the contract, March 16, 1891.

Number of days from date of order to and including June 30, 1891 107 days.

Days unfit for work, including Sundays and holidays 22

Days worked 56

Days when no work was done 29

107 days.

THE NEW COURT-HOUSE.

The old engines located in the basement and used for operating the ventilating fans, having become worn out from long service, were taken out and replaced with two new 30 horse-power engines, with new pulleys, belting, shafting and all fixtures necessary to put them in complete running order. A 15 horse-power portable boiler has been set in the basement to supply steam to the elevators and pumps until the new boilers are ready for use, when it will be removed. New cables have been put in the passenger elevators. A contract and specifications were prepared for the painting of the halls, corridors and rotunda; the Naturalization Bureau and Record Room of the Court of Common Pleas, and the Special Term Room of the Superior Court.

This work which was given out at public letting commenced on the 22d of June, and is being pushed forward rapidly.

In the Sheriff's Office—The walls and ceilings in the Sheriff's private room and anteroom, and the Deputy Sheriff's room, have been repaired, ceilings calcimined, walls painted and hardwood cleaned, rubbed and varnished.

In the accounting-room a new black walnut case for blanks and stationery has been put up, and new transmitters and 3 extra large receivers and 1 ordinary receiver, with battery connection, has been put in.

In the Surrogate's Office—Some new window awnings have been put up and the old ones repaired.

THE CITY HALL.

The Mayor's Office—New shades and awnings have been put up on the windows in the Clerk's office. A new silk mayoralty flag for the Mayor's use, and a set of storm flags—consisting of three United States ensigns, one Municipal and one State flag—have been furnished.

The Governor's room—The pictures of Valentine, Ben Amin, Washington, Westervelt and Hudson, have been cleaned, restored and varnished, and new window-shades have been hung on the windows.

A new copper jury-wheel with black walnut stand has been furnished for use of the City Court. Three new galvanized iron ventilators have been put up and the old ones painted.

The gutter and leader on the west side have been repaired and painted and new copper tube put in.

A new sign has been lettered in smalts and gold for the office of the Mayor's Marshal, and a new 8-foot table with map drawer furnished to CITY RECORD office.

BROWN-STONE BUILDING.

One black walnut case of pigeon-holes, a roll-top desk and a wardrobe have been furnished for the District Attorney's office.

HALL OF RECORDS.

Repairs have been made to the plastering on the second floor.

NO. 31 CHAMBERS STREET.

In the Deputy Commissioner's room the plastering has been repaired, ceiling calcimined, cornices tinted, walls painted and radiators bronzed. The frames of the pictures of General Scott and Commodore Perry have been repaired and regilded.

In the Water Purveyor's office the plastering has been repaired, ceiling calcimined, walls painted, hardwood cleaned and varnished and radiators bronzed.

The storm and vestibule doors painted and the sign over entrance relettered.

A new black walnut standing desk with pigeon-holes has been put up in Room No. 10, and the iron wire railing altered and extended.

A new fire-proof safe has been furnished for office of Engineer in Charge of Sewers.

Repairs have been made to the elevator and a new hand-rope put in.

THE MARKETS.

Fulton Market—Door-jambs were put up and new doors with double-acting spring hinges hung at the entrance on Fulton and Front streets, and the new work painted.

West Washington Market—The work of repairing the building damaged by fire on the morning of December 31, 1890, has been completed in accordance with the terms of the contract.

A settlement of the foundations cracked the walls of the buildings on each side of the north entrance to Lawton avenue, and damaged the buildings; these walls were shored up, the damaged portion removed, the walls rebuilt and the buildings repaired.

THE ARMORIES.

Specifications for the supplies required for the several armories were prepared, and a contract made for furnishing the same; the supplies have all been delivered in accordance with the terms of the contract.

Sixty-ninth Regiment Armory—Repairs have been made to the roof, new slates put in where required, new tubes put in the gutters; the damaged snow-guards removed, a new galvanized iron cap put on the boiler-flue, a smoke-jack put up on the Third avenue side of the building; the flag-pole repaired and painted, the ball regilded, the iron braces repaired and secured, and new halyards reeved on the pole.

Seventy-first Regiment Armory—The stair-rail and newel-post inclosing well-hole on the upper floor were repaired and made secure.

THE COURTS—POLICE AND CIVIL.

First District Civil Court—A new shade was hung on the window of jury-room and new door-mat furnished.

Third District Civil Court—New shades have been hung and some new awnings put up on the windows of the Court, and a new rotary chair furnished.

Fifth District Civil Court—In the Janitor's apartments the walls and ceilings of the kitchen, dining-room and halls have been repaired, calcimined and painted.

Sixth District Civil Court—This Court has been removed from Eighteenth street and Fourth avenue to the corner of Twenty-third street and Second avenue. In the new court-room platforms for the Judges' bench and jury-box have been built, and new railings put up; the benches taken from the old court repaired and put in place; the carpets cleaned and relaid, new window-shades hung, signs painted and put up. A new desk, 17 feet long, with drawers and closets for records, built in the Clerk's office. A window-awning put on the window behind the Judges' bench, some law-books furnished, and the furniture repaired and varnished.

Third District Police Court—The roof has been repaired, new slate put in where needed, the gutters relined and painted and some cane-seat and oak-bent chairs furnished.

Fifth District Police Court—A new black walnut wardrobe was furnished for use of the Judges, and the cellar cleaned and the rubbish removed.

The County Jail—200 feet of rubber hose with couplings, nozzle and hose-reel have been furnished.

STEWART BUILDING.

The Finance Department—In Room No. 1 an iron wire railing with gate and spring lock has been put up, painted and bronzed. In the office of Clerk of Appeals a case of pigeon-holes has been put up on the desk and a black walnut case of drawers and pigeon-holes and a book-case have been furnished for the Auditing Bureau.

In the office of the Commissioner of Jurors, new carpet and linoleum has been laid, new window-shades hung, the desks and furniture cleaned, repaired and varnished, one 5-foot roll-top desk furnished, a set of telephone instruments put in and connected with the Central Telephone Exchange and battery-wires and push-buttons put in to connect the Commissioner's desk with the desks in the outer offices, and some law-books furnished.

STAATS ZEITUNG BUILDING.

Corporation Counsel's Office—Some new cases of pigeon-holes have been built in the Record Room, the window awnings repaired and some new ones furnished and put up.

In the Bureau of Street and Park Openings (Emigrant Bank Building), 1 case for maps, 1 case for forms and stationery and 1 case of pigeon-holes have been put up, signs painted and office-doors numbered.

NO. 49 BEEKMAN STREET.

Corporation Attorney's Office—The signs have been cleaned off and relettered and a new time clock furnished for the office.

Public Administrator—The document boxes have been stained, varnished and numbered and some doors and casings repaired and painted.

CORPORATION YARD.

One Hundred and Nineteenth street and St. Nicholas avenue—The shed on the west side of the yard was shored up and the west wall fronting on Eighth avenue was taken down and rebuilt, extra piers put in to strengthen the same and the posts supporting the shed were straightened and braced, and the roof repaired and made weather-tight.

Building on One Hundred and Twenty-first street, between Third avenue and Sylvan place—The west wall of this building was taken down, the flooring and roof shored up, and the wall rebuilt and plastering repaired. This building adjoins the New Court-house and the wall encroached on the building line of the new building.

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

The contracts for the alterations and repairs to the building on the northeast corner of One Hundred and Forty-first street and Third avenue have been completed according to the specifications. New gas fixtures have been put up in the several rooms, carpets laid in the front rooms on the second and third stories, window shades hung on all the windows, a ten-button push-board put up in the Commissioner's room and connected with the electrical bells in the several rooms in which push-buttons are placed to connect with the drop annunciator in the Commissioner's office, six calendar clocks have been put up in the several offices and the rooms furnished with tables, desks, chairs, stools, wardrobes, a copying press and table, letter scale, typewriter and drawers, water coolers, cuspidores.

Plans and specifications were prepared for the building of a fire-proof vault for the safe keeping of maps and papers. This work was let by contract and is nearly completed.

The following is a statement of the expenses incurred in the repair and alterations and furnishing the building at One Hundred and Forty-first street and Third avenue, and preparing it for the office of the Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards:

Special appropriation for alteration and repairs to buildings.....	\$3,000 00
Matthias Theriault, alterations to building (first, second and third floors), as per contract.....	\$1,345 00
Francis Finnegan, alterations to building (fourth and fifth floors), as per contract.....	660 00
John Flanagan, stove-pipe rings and covers.....	7 50
Matthias Theriault, building vault, as per contract.....	789 00
	<hr/>
	2,801 50
Balance.....	<hr/>
	\$198 50

Special appropriation for supplies and furniture.....	\$2,250 00
Marvin Safe Co., safe.....	\$175 00
Lord & Taylor, carpets.....	253 09
George Fuessel, window shades.....	80 00
Fred. Pearce, electric bells.....	62 00
Mitchell Vance Co., gas fixtures.....	169 00
Thomas Sullivan, tables, chairs, desks, etc.....	890 30
Wyckoff, Seamans & Benedict, typewriter, with cabinet.....	125 00
Martin Brown, letter press and scale.....	54 25
Seth Thomas, 6 calendar clocks.....	96 00
James S. Barron & Co., water coolers and cuspidores.....	27 10
	<hr/>
	1,931 74

Balance..... \$318 26

In addition to the foregoing, the winding, regulating and cleaning of the clocks in the several public buildings and offices require and secure the constant attention from the Bureau that its importance demands.

The following is a list of the clocks in the public buildings and offices cared for and regulated by the Bureau, and their location:

City Hall—	
The Tower Clock.....	1
The Mayor's Office.....	4
The Mayor's Marshal.....	1
City Record Office.....	1
City Court.....	7
Clerk of Board of Aldermen's Office.....	2
Board of Aldermen.....	1
Reporters' Room.....	1
Janitor's Room.....	1
	<hr/>
	19
Brown-stone Building—	
Grand Jury Room.....	1
Court of General Sessions.....	3
District Attorney's Office.....	2
District Attorney's Chief Clerk's Office.....	1
Ladies' Room.....	1
	<hr/>
	8
Stewart Building—	
Tax Office.....	2
Commissioner of Jurors.....	1
Commissioners of Accounts.....	1
Finance Department.....	5
City Chamberlain's Office.....	1
City Paymaster's Office.....	1
	<hr/>
	11
No. 27 Chambers Street—	
Surveyor's Office.....	1
Assessors' Office.....	1
	<hr/>
	11
Department of Public Works.....	11
Staats Zeitung Building—	
Tax Office.....	1
Corporation Counsel's Office.....	4
Corporation Counsel's Chief Clerk.....	1
	<hr/>
	1
No. 49 Beekman Street—	
Corporation Attorney's Office.....	1
Public Administrator.....	1
District Civil Courts.....	22
District Police Courts.....	7
Street Cleaning Department.....	3
County Clerk's Office.....	3
Surrogate's Office.....	4
Sheriff's Office.....	2
Supreme Court.....	10
Superior Court.....	8
Common Pleas.....	6
	<hr/>
	124

Total number of clocks..... 124

This work is performed promptly and satisfactorily.

Repairs to the plumbing, steam and gas fitting in the several buildings and offices require constant attention, and form a very considerable portion of the work of the Bureau.

THE CITY'S PICTURES.

In obedience to your direction an expert examination and report were made concerning the condition of the city's pictures and recommendations which have your approval were submitted for the cleaning, relining and restoration of the following pictures and the repair and regilding of their frames.

The following-named pictures have been cleaned, restored and their frames regilded:

Governors Young, King, Hoffman, Morgan, Clark, Hamilton, Dix, Van Buren and General Washington, Mayors Gunther, Mickle, Varian and Woodhull, Commodore Decatur, Valentine and Ben Amin, Westervelt and Hudson, McClellan, Anderson, Barnett, Taylor, Jefferson, Monckton, Bolivar, Howard, Scott, Perry, Hamilton, Throop, Young, Van Buren, Yates, McDonough, Clay, Monroe, Jackson, Columbus, General Washington, Governor Tompkins and Governor Clinton, Mayors Morris, Varick, Paulding, General Paez and General Washington, Mayors Opdyke, Wood, Havemeyer, Harper, Kingsland, Lawrence, Clarke, Bowne, Allen, Duane, Willett, Clinton, Stuyvesant, Livingston, Golden, Radcliffe, Hone and Tieman.

The work on the pictures named has been completed, but there still remains several pictures which require repair and restoration to preserve them from defacement.

In order to prepare a correct catalogue, embracing the various painters' names, care has been taken to discover signatures and inscriptions lost by obliteration and the dates at which the pictures were painted. During the progress of the work a most interesting find was made. A fine life-sized portrait of Commodore Decatur was found stored away in a lumber room of the County Court-house, from which it was removed and cleaned and relined, its frame regilded and it now hangs in the board room of the Mayor's office beside General Washington, General Winfield Scott and Commodore Perry.

A life size picture of General Lafayette, hanging over the fire-place in the Mayor's office, and a picture of Mayor Paulding are the works of Samuel F. B. Morse, the inventor of the telegraph and the first President of the National Academy of Design.

The above two pictures possess the highest artistic merit and historical value.

The portrait of Hendrick Hudson by the Count Pulaski and also Peter Stuyvesant are said to be originals and works of merit. A small portrait in silk of General Washington, made in Lyons, France, and presented by the citizens of that city, is much admired and so is a small portrait of General Monckton.

The city's picture gallery is a fine one. It contains portraits of many eminent and distinguished personages, whose public services and personal merit endear their memories to the love and veneration of the people, and when they are memorialized by artists of the highest rank, the exhibition becomes instructive and interesting and well worth preservation.

The accompanying list gives the names of the pictures, and so far as the record and the inscriptions have informed us, the artists, whose work they are, together with the apartments in which they are on view.

West Governor's Room, City Hall—	
Governor Clinton.....	By Catlin.
" Lewis.....	" Trumbull.
" Tompkins.....	" Unknown.
" Young.....	" Gray.
" Seward.....	" Inman.
" Fenton.....	" Kellogg.
" Fish.....	" Hicks.
General Williams.....	" Sully.
Baron Steuben.....	" Unknown.
Mayor Brady.....	" Wensler.
David T. Valentine.....	" Jarvis.
Declaration of Independence.....	

Central Governor's Room—		
Governor King	By	Hicks.
" Bouck	"	Elhott.
" Morgan	"	Huntington.
" Hunt	"	Elliott.
" Marcy	"	Paige.
" Jay	"	Weimar.
" Wright	"	Whitehorne.
" Seymour	"	Elliott.
" Hoffman	"	Lazarus.
General Washington	"	Trumbull.
Commodore Perry	"	Jarvis.
Mayor Varian	"	Inman.
" Mickle	"	Mooney.
" Gunther	"	Hicks.
East Governor's Room, City Hall—		
President Van Buren	By	Inman.
Secretary of Treasury Hamilton	"	Weimar.
Governor Yates	"	Vanderlyn.
" Clarke	"	Carpenter.
" Throop	"	Weir.
" Dix	"	Anna M. Lea.
General Clinton	"	Trumbull.
" Morton	"	Jarvis.
Mayor Lee	"	Weir.
" Woodhull	"	C. W. Jarvis.
Chancellor Kent	"	Rembrandt Peale.
Silk Portrait of General Washington, from City of Lyons, France.		
Room 15, City Hall—		
Commodore MacDonough	By	Jarvis.
Comptroller's Office—		
Mayor Tieman	By	Hicks.
" Westervelt	"	Mooney.
Commodore Chauncey	"	Unknown.
Commissioner of Public Works—		
Columbus	By	Unknown.
General Monckton	"	"
" Bolivar	"	C. W. Jarvis.
Achmet Ben Amin	"	Mooney.
Hendrik Hudson	"	Count Pulaski.
Room 16, Aldermanic Chamber, City Hall—		
President Jefferson	By	C. W. Jarvis.
" Taylor	"	Vanderlyn.
" Jackson	"	"
" Monroe	"	"
Henry Clay	"	C. W. Jarvis.
Volunteer Fire Chief Howard	"	Johnson.
Room 19, City Hall—		
General McClellan	By	Powell.
" Burnett	"	Shegogue.
Mayor Anderson	"	Powell.
Room 20, City Hall—		
New Paez picture	By	Michelena.
President Filmore	"	Jarvis.
Commodore Bainbridge	"	"
" Hull	"	"
" Swift	"	"
General Brown	"	"
" McComb	"	Waldo.
Henry Clay	"	Unknown.
Mayor's Office, Ante-room—		
Governor Stuyvesant	By	Unknown.
Mayor Allen	"	Waldo & Jewett.
" Willet	"	Waldo.
" Livingston	"	Unknown.
North Room, Mayor's Office—		
Mayor Morris	By	Spencer.
" Varick	"	Weimar.
" Paulding	"	Morse.
General Paez	"	C. W. Jarvis.
Main Office, Mayor—		
General Lafayette	By	Morse (inventor of the telegraph).
Mayor Clinton	"	Parmecelli.
" Lawrence	"	Inman.
" Clark	"	"
" Kingsland	"	Elliott.
" Wood	"	"
" Bowen	"	Mooney.
" Hone	"	Vanderlyn.
West Room, Mayor's Office—		
President Washington	By	Unknown.
Commodore Decatur	"	Sully.
General Scott	"	Kellogg.
Mayor Duane	"	Unknown.
" Havemeyer	"	Masterson.
" Harper	"	Inman & Huntington.
" Opdyke	"	Hicks.
" Radcliffe	"	Waldo.
" Colden	"	Vanderlyn.
At Police Headquarters—		
High Constable Jacob Hayes	By	Shegogue.

FREE FLOATING BATHS.

The free floating baths, after being thoroughly repaired and equipped, have been berthed at their various locations in the North and East rivers.

During the past quarter, in order to thoroughly refit the bath structures, 51 of the pontoons were put on a dry dock, repaired, recaulked with best navy oakum, the joints between their planking paved, graved and pitched to make them perfectly water-tight, and thus secure the safe flotation of the baths.

Thirteen pontoons have been sheathed with 1¼-inch spruce plank, one new pontoon has been built, and the remaining pontoons in the fleet, about 150 in number, have been carefully blocked in their alleys in the best manner with new lumber and wedges.

The iron and wood work of the baths to one foot below water-line have been thoroughly repainted. The tin roofs of (11) eleven baths have been carefully repaired, damaged tin removed and replaced with new tin underlaid with rosin sized paper; new flashings and caps put in where needed; new tin painted with two coats best metallic paint, and the roofs of all the baths have been painted with same material. Thirty new signal-lamps, made of copper and glazed with ruby glass, have been put on the out board corners of the sides as danger signals. Thirteen new lamps, with silvered glass reflectors, have been put on entrance gangways to light them. The gas-piping has been repaired; new 4-foot gas-burners have been supplied.

The plumbing of the water-closets has been overhauled, new hoppers and new rims have replaced those out of order.

The baths have been generously equipped with cleaners' supplies, and about 1,850 feet of six-inch hawser, 7,500 feet line, together with two 1,000 pound anchors and 100 fathoms of 1-inch chain. Gangway bridges have been repaired and guard railings, 4 feet high and about 12 feet long, placed on each side of the entrance to each bath.

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

BATHS.		FROM WINTER QUARTERS.	OPENED.
No. 1	At Fifth street	June 4	June 5
" 2	At Battery	" 4	" 5
" 3	At One Hundred and Twelfth street	" 23	" 24
" 4	At Thirty-seventh street	" 22	" 23
" 5	At Grand street	" 20	" 24
" 6	At Horatio street	" 7	" 8
" 7	At One Hundred and Thirty-eighth street	" 22	" 22
" 8	At Nineteenth street	" 8	" 8
" 9	At Duane street	" 21	" 8
" 10	At Fiftieth street	" 7	" 22
" 11	At Seventy-sixth and Eighty-sixth streets	" 19	June 20 and July 1
" 12	At Fifty-first street	" 8	June 8
" 13	At Twenty-eighth street	" 11	" 12
" 14	At One Hundred and Thirty-fourth street	" 19	" 20
" 15	At Market street	" 5	" 8

Very respectfully,
W. G. BERGEN, Superintendent Repairs and Supplies.

Document "L."

REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,
No. 31 CHAMBERS STREET,
NEW YORK, July 6, 1891.

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

DEAR SIR—I have the honor to make the following report of the business of this Bureau for the quarter ending June 30, 1891 (months of April, May and June).
1,306 complaints of obstructions received and attended to.
1,337 seizures and removals of obstructions made.
2,614 building permits issued.
400 miscellaneous permits issued.
6 permits issued to cut down shade-trees.
6 notices issued to repair defective vault covers.
Expense of seizing and removing 1,337 articles, including 363 loads of dirt, stone, refuse, etc., and throwing in dirt, etc., on premises at various places; removing 183 dead and dangerous trees, stumps, posts, etc., also 589 telegraph poles, and about 705 miles of electric wire.

\$12,699 70
Total expenses for the quarter \$14,615 83

Received from owners for the redemption of seized articles \$599 00
Received from public sale of unredeemed articles, May 4, 1891 450 68
Received from public sale of unredeemed articles, April 21, 1891 31 50
Total \$1,081 18

All of which was duly paid over to the City Chamberlain.
Salary account—Appropriation \$7,800 00
Expended up to June 30, 1891 3,750 00
Balance \$4,050 00

Appropriation for the removal of obstructions in streets and avenues \$35,000 00
By transfer from Appropriation of 1889 375 00
Total \$35,375 00
Expended up to June 30, 1891 23,574 25
Balance \$11,800 75

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, 1891.

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, 1891 :

	Principal.	Penalties.	Taps.
April	\$109,403 68	\$750 95	\$1,601 00
May	312,607 81	519 45	1,303 50
June	354,848 36	374 30	1,064 00
Total	\$776,859 85	\$1,644 70	\$3,968 50

Total \$782,473 05
Deposited to the credit of "Water-meter Fund, No. 2"—
April \$810 91
May 1,215 64
June 720 89
Total \$2,747 44

"Special Fund—Repairing Streets"—
April \$1,421 00
May 1,131 50
June 822 50
Total \$3,375 00

Respectfully submitted,
JOSEPH RILEY, Water Register.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

MEETINGS, AUGUST 17 TO 22, 1891.

Communications Received.

From Penitentiary—List of prisoners received during week ending August 15, 1891 : Males, 51, females, 9. On file.
List of 33 prisoners to be discharged from August 23 to 29, 1891. Transmitted to Prison Association.
From Heads of Institutions—Reporting meats, milk, fish, etc., received during week ending August 15, 1891, of good quality and up to the standard. On file.

From the Comptroller—Statement of unexpended balances to August 15, 1891. To Book-keeper.

From N. Y. City Asylum for Insane, Blackwell's Island—History of 12 patients admitted, 8 discharged and 5 that have died during week ending August 15, 1891. On file.

From N. Y. City Asylum for Insane, Ward's Island—History of 14 patients admitted, 8 discharged and 6 that have died during week ending August 15, 1891. On file.

From City Cemetery—List of burials during week ending August 15, 1891. On file.

From City Prison—Amount of fines received during week ending August 15, 1891, \$64. On file.

From District Prisons—Amount of fines received during week ending August 15, 1891, \$213. On file.

From John E. McGuire—Proposal to build addition to Industrial School, Randall's Island, according to plans and specification, for \$930. Accepted.

From Storekeeper—Rejecting hams furnished for use of the institutions, they being of poor quality. Approved.

Contract Awarded.

James A. Smith—For steam heating, Maternity Building, Blackwell's Island, for \$4,290.

Appointed.

From August 1. Robert Wiseman, Attendant, N. Y. City Asylum for Insane, Ward's Island. Salary, \$300 per annum.

" 14. Peter T. White, David Guiry, Thomas Murtha, Attendants, N. Y. City Asylum for Insane, Ward's Island. Salary, \$300 per annum each.

" 15. James D. Henry, Attendant, N. Y. City Asylum for Insane, Ward's Island. Salary, \$300 per annum.

" 18. George G. Wells, Attendant, Randall's Island Hospital. Salary, \$240 per annum.

" 18. Kate Conway, Domestic, Bellevue Hospital. Salary, \$144 per annum.

" 18. Marion Mann, Attendant, N. Y. City Asylum for Insane, Hart's Island. Salary, \$216 per annum.

" 18. Mary Swall, Assistant Cook, Homoeopathic Hospital. Salary, \$180 per annum.

" 19. Sarah Sexton, Frances C. Connor, Mildred W. Hamilton, Nurses, Bellevue Hospital. Salary, \$120 per annum each.

" 19. Maggie Duncan, Cook, Gouverneur Hospital. Salary, \$300 per annum.

" 20. Bernard Cassidy, Fireman, Randall's Island Hospital. Salary, \$240 per annum.

" 20. John Bergan, Plumber, Penitentiary. Salary, \$900 per annum.

" 21. Richard Jackson, Driver, Harlem Hospital. Salary, \$360 per annum.

" 21. Charles Pattison, Tinsmith, N. Y. City Asylum for Insane, Hart's Island. Salary, \$300 per annum.

Reappointed.

August 16. Kate Gallagher, Attendant, N. Y. City Asylum for Insane, Blackwell's Island. Salary, \$216 per annum.

Resigned.

August 1. Mary Adams, Cook, Gouverneur Hospital.

" 15. Patrick Cussen, Attendant, N. Y. City Asylum for Insane, Ward's Island.

" 15. Charles Baker, Messenger, N. Y. City Asylum for Insane, Blackwell's Island.

" 15. F. W. Travis, Attendant, N. Y. City Asylum for Insane, Ward's Island.

" 22. M. M. Henegan, Hall Keeper, Workhouse.

Dropped from Roll.

August 18. Mary J. Peebles, Nurse, Charity Hospital.

" 18. Sarah O'Malley, Attendant, N. Y. City Asylum for Insane, Hart's Island.

Dismissed.

August 13. Ellen Farrell, Attendant, N. Y. City Asylum for Insane, Blackwell's Island.

" 15. Mary H. Siegman, Attendant, N. Y. City Asylum for Insane, Blackwell's Island.

" 17. Cornelius Morton, Attendant, N. Y. City Asylum for Insane, Hart's Island.

" 17. Mary Whalen, Attendant, N. Y. City Asylum for Insane, Blackwell's Island.

" 18. Lizzie Brown, Domestic, Bellevue Hospital.

G. F. BRITTON, Secretary.

HEALTH DEPARTMENT OF THE CITY OF NEW YORK.

WEEK ENDING SATURDAY, 12 M., SEPTEMBER 5, 1891.

Estimated Population, 1,690,000.

Death-rate, 22.72.

Cases of Infectious and Contagious Diseases Reported.

	WEEK ENDING—												
	June 6.	June 13.	June 20.	June 27.	July 4.	July 11.	July 18.	July 25.	Aug. 1.	Aug. 8.	Aug. 15.	Aug. 22.	Sept. 5.
Diphtheria.....	100	80	73	59	56	99	80	58	82	69	53	61	73
Measles.....	370	343	274	214	188	250	218	165	133	91	87	67	56
Scarlet Fever.....	204	179	164	131	102	152	127	117	104	88	71	55	62
Small-pox.....	...	1	...	...	...	...	2	1	...	...	...	1	...
Typhoid Fever.....	10	16	10	9	9	25	20	41	30	31	42	43	38
Typhus Fever.....	...	...	...	1	3	...	...	...	...	...	...	...	...
Total.....	684	619	501	444	358	526	447	382	349	279	253	227	213

Marriages reported.....	426	Burial permits issued.....	736
Births.....	1,061	Transit permits issued.....	17
Deaths.....	736	Searches made.....	227
Still-births.....	51	Transcripts issued.....	170

Deaths According to Cause, Age and Sex.

	Total.	† Total last year.	* Average 10 years.	Males.	Females.	Under 1 Month.	1 Month and under 1 Year.	1 Year and under 2.	2 and under 5.	Under 5 Years.	5-15.	15-25.	25-45.	45-65.	65 and over.
Total, all causes.....	736	717	811.4	374	362	54	186	70	59	369	24	49	139	100	55
Diphtheria.....	22	11	21.6	12	10	...	4	15	19	3	...	...	...	...	...
Croup.....	6	7	12.6	2	4	...	3	...	6	...	...	...	...	...	...
Malarial Fevers.....	7	4	10.4	5	2	...	...	...	2	...	...	3	1	1	1
Measles.....	5	7	6.3	2	3	...	3	1	4	1	...	...	...	...	...
Scarlet Fever.....	13	1	8.7	6	7	...	3	8	11	2	...	...	...	...	...
Small-pox.....	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever.....	10	15	17.5	7	3	...	...	...	...	1	3	6	...	...	...
Typhus Fever.....	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough.....	4	11	15.5	2	2	1	3	...	4	...	...	...	...	...	...

* This column contains the average number of deaths for the corresponding week of the past ten years, increased to correspond with the increase of population.
† This column gives the total number of deaths for the corresponding week of the previous year.
‡ Police census, October, 1890, 1,710,715.

	Total.	† Total last year.	* Average 10 years.	Males.	Females.	Under 1 Month.	1 Month and under 1 Year.	1 Year and under 2.	2 and under 5.	Under 5 Years.	5-15.	15-25.	25-45.	45-65.	65 and over.
Diarrhoeal Diseases.....	135	110	157.4	64	71	8	86	25	...	119	1	1	5	5	4
Phthisis.....	73	104	110.0	36	37	...	...	1	1	2	1	18	37	12	3
Other Tuberculous Diseases..	13	12	...	7	6	...	4	2	5	11	...	...	1	1	...
Diseases of Nervous System..	46	37	62.8	22	24	8	7	5	2	22	2	1	7	6	8
Heart Diseases.....	34	31	29.9	16	18	...	1	...	...	1	1	6	8	12	6
Bronchitis.....	26	25	24.2	10	16	1	8	6	4	19	1	1	2	...	3
Pneumonia.....	41	59	45.5	20	21	...	9	8	6	23	3	3	4	7	1
Other Diseases of Respiratory Organs.....	17	14	...	10	7	...	2	...	1	3	...	1	5	6	2
Diseases of Digestive System.	64	62	...	32	32	7	22	9	3	41	2	3	8	8	2
Diseases of Urinary System..	38	39	...	20	18	...	1	...	...	1	...	1	12	14	10
Congenital Debility.....	63	55	...	37	26	25	33	1	4	63	...	...	...	...	...
Old Age.....	6	6	...	1	5	...	...	...	...	...	...	...	...	1	5
Suicide.....	6	8	5.4	5	1	...	...	...	...	...	...	...	3	2	1
Other violent deaths.....	37	44	29.2	31	6	2	1	1	3	7	3	3	13	7	4
All other causes.....	70	55	...	27	43	2	6	2	1	11	3	2	25	13	5

* This column contains the average number of deaths for the corresponding week of the past ten years, increased to correspond with the increase of population.
† This column gives the total number of deaths for the corresponding week of the previous year.
‡ Including premature births, atrophy, inanition, marasmus, atelectasis, cyanosis and preternatural births.

Causes of Death not Specified in the Foregoing Table.

Zymotic. Syphilis, 1; Cerebro-spinal Fever, 7; Puerperal Fever, 2.	Circulatory. Embolism, 1; Senile Gangrene, 2.	Genito-urinary. Bright's Disease, 26; Nephritis, 5; Diseases of Bladder, etc., 4; Uræmia, 2; Calculus, 1; Diseases of Uterus and Vagina, 1; Ovarian Diseases, 1.
Parasitic. Tape Worm, 1.	Respiratory. Congestion of Lungs, 1; Hydrothorax, 1; Pleurisy, 5; Chronic Bronchitis, 9; Pulmonary Hyperæmia, 1.	Locomotory. Caries, 1.
Dietetic. Alcoholism, 8.	Digestive. Gastro-Enteritis, 26; Gastritis, 4; Enteritis, 5; Cirrhosis, 5; Hepatitis, 1; other Diseases of Liver, 2; Peritonitis, 4; Stricture of Intestines, 1; Typhilitis, 1; Hernia, 1; Jaundice, 1; Ulcer of Stomach, 1; Stomatitis, 2; Ulceration of Intestines, etc., 5; Ulcer of Rectum, 1; Indigestion, 2; Hemorrhoids, 1; Constipation, 1.	Integumentary. Abscesses, 1; Carbuncle, 2; Phlegmonous Cellulitis, 2.
Constitutional. Cancer, 26; Tubercular Meningitis, 7; Tuberculosis, etc., 3; Tubercular Enteritis, 2; Intestinal Tuberculosis, 1; Diabetes, 1; Tabes Mesenterica, 1.	Nervous. Convulsions, 6; Meningitis, etc., 16; Apoplexy, 11; Paralysis, 1; Insanity, 1; Softening of Brain, 2; Tetanus, 1; Myelitis, 1; Congestion of Brain, 2; Chronic Hydrocephalus, 2; Tumor of Brain, 2; Lateral Sclerosis, 1.	Accident. Fractures and Contusions, 19; Drowning, 5; Suffocation, 3; Surgical Operations, 3; Sunstroke, 1; Railroad, 1.
		Other Causes. Otitis, 1; Addison's Disease, 1; Splenitis, 1; Miscarriage, 3; Post Partum Hemorrhage, 1; Extra Uterine Pregnancy, 1; Cleft Palate, 1; Spina Bifida, 2; Homicide, 5.

Deaths According to Cause, Annual Rate per 1,000 and Age, with Meteorology, and Number of Deaths in Public Institutions for 13 weeks.

WEEK ENDING.	June 13.	June 20.	June 27.	July 4.	July 11.	July 18.	July 25.	Aug. 1.	Aug. 8.	Aug. 15.	Aug. 22.	Aug. 29.	Sept. 5.
Total deaths.....	743	952	803	922	957	1,074	947	866	763	1,005	773	826	736
Annual death-rate.....	23.10	29.58	24.94	28.61	29.68	33.29	29.34	26.81	23.61	31.08	23.89	25.52	22.72
Diphtheria.....	27	27	18	21	27	23	19	21	19	19	22	22	22
Croup.....	7	4	7	11	6	14	7	6	5	8	5	3	6
Malarial Fevers.....	4	9	2	6	5	5	2	5	5	5	5	4	7
Measles.....	24	16	20	16	13	12	16	11	8	8	5	3	5
Scarlet Fever.....	34	33	24	24	30	30	23	19	25	14	10	9	13
Small-pox.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Typhoid Fever.....	6	2	7	2	4	6	11	7	8	13	16	15	10
Typhus Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough.....	6	9	5	5	3	5	5	2	3	6	9	1	4
Diarrhoeal Diseases.....	36	111	137	240	283	339	265	244	177	234	138	141	135
Phthisis.....	98	85	70	72	90	91	82	80	74	116	89	98	73
Bronchitis.....	28	37	22	22	21	31	8	14	19	16	17	19	26
Pneumonia.....	84	89	75	56	65	54	49	49	47	57	41	54	41
Other Diseases of Respiratory Organs.....	12	20	22	17	10	11	15	19	10	16	13	13	17
Violent Deaths.....	36	77	52	49	31	43	29	26	39	70	49	107	43
Under one year.....	180	299	277	400	449	476	413	347	240	349	204	257	240
Under five years.....	324	447	416	544	581	666	550	481	380	492	319	376	369
Five to sixty-five.....	350	432	311	309	314	344	348	324	329	424	386	393	312
Sixty-five years and over	69	73	76	69	62	64	49	61	54	89	68	57	55
In Public Institutions...	185	206	142	142	147	181	163	162	138	214	172	181	154
Inquest Cases.....	79	105	95	104	82	102	87	84	94	119	95	156	88
Mean barometer.....	30.017	29.799	29.784	29.819	29.929	29.955	30.074	29.805	29.953	29.916	29.888	29.972	30.068
Mean humidity.....	66	72	65	69	67	75	76	71	73	75	75	75	79
Inches of rain.....	.39	.84	.11	.40	.95	.81	.67	1.41	.27	.51	.09	2.94	1.75
Mean temperature (Fahrenheit).....	70.8	73.7	75.3	69.2	70.1	77.0	76.8	69.9	74.5	79.9	76.4	76.4	70.3
Maximum temperature (Fahrenheit).....	86°	97°	91°	80°	82°	90°	86°	79°	91°	98°	89°	88°	85°
Minimum temperature (Fahrenheit).....	54°	56°	60°	59°	60°	62°	68°	60°	62°	67°	66°	59°	61°

Infectious and Contagious Diseases in Hospital.

	WILLARD PARKER HOSPITAL.			RIVERSIDE HOSPITAL.				
	Scarlet Fever. (Children.)	Diphtheria.	Total.	Small-pox.	Scarlet Fever. Adults Only.	Measles.	Others.	Total.
Remaining Aug. 29 ..	23	10	33	1	7	18	6	32
Admitted.....	5	4	9	..	8	..	..	8
Discharged.....	12	4	16	1	4	8	1	14
Died.....	..	2	2	..	..	2	..	2
Remaining Sept. 5 ..	16	8	24	..	11	8	5	24
Total treated..	28	14	42	1	15	18	6	40

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

WARDS.	SICKNESS.						DEATHS REPORTED.						All Causes.
	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	Typhus Fever.	Diphtheria.	Measles.	Scarlet Fever.	Small-pox.	Typhoid Fever.	Typhus Fever.	
First.....	..	6	..	..	..	..	1	..	..	..	..	..	9
Second.....	..	..	..	..	..	..	..	..	..	..	..	..	3
Third.....	..	..	..	..	..	..	..	..	..	..	..	..	6
Fourth.....	1	1	..	..	2	..	1	..	2	..	..	..	11
Fifth.....	..	..	..	..	..	..	1	..	..	..	..	..	6
Sixth.....	..	..	..	..	1	..	..	..	..	..	..	..	11
Seventh.....	1	5	5	..	..	..	1	..	3	..	..	..	37
Eighth.....	1	..	4	..	2	..	..	..	..	..	1	..	30
Ninth.....	2	1	..	..	..	..	1	..	..	..	..	..	17
Tenth.....	6	7	8	..	2	..	1	1	1	..	..	..	33
Eleventh.....	3	11	3	..	..	..	1	..	..	..	..	..	23
Twelfth.....	5	2	3	..	6	..	1	..	..	..	2	..	103
Thirteenth.....	3	1	5	..	2	..	2	1	2	..	..	..	37
Fourteenth.....	2	5	2	..	1	..	2	..	..	..	..	..	15
Fifteenth.....	2	..	1	..	..	..	..	..	..	..	..	..	6
Sixteenth.....	2	5	1	..	..	..	1	..	..	..	..	..	18
Seventeenth.....	2	4	4	..	5	..	2	..	1	..	..	..	58
Eighteenth.....	..	4	2	..	1	..	..	..	..	..	1	..	25
Nineteenth.....	10	1	15	..	7	..	1	..	..	..	4	..	113
Twentieth.....	3	..	10	..	..	..	1	..	2	..	..	..	42
Twenty-first.....	1	1	..	..	4	..	1	..	..	..	..	..	23
Twenty-second.....	7	1	3	..	2	..	4	..	1	..	2	..	72
Twenty-third.....	1	1	1	..	3	..	1	2	1	..	..	..	27
Twenty-fourth.....	..	..	..	..	..	..	..	..	..	..	..	..	11
Total.....	52	56	67	..	38	..	22	5	13	..	10	..	736

Inspections of Premises.

Total number of inspections made.....	8,220
Classified as follows:	
Inspections of tenement-houses.....	4,404
" private dwellings.....	582
" lodging-houses.....	6
" stables.....	345
" slaughter-houses.....	386
" other premises.....	1,633
" overcrowded tenements (at night).....	870

Total number of citizens' complaints attended to.....	536
" verified.....	377
" found baseless, or nuisance already abated.....	159
" original complaints by Inspectors.....	360

New Buildings.

Total number of plans and specifications filed.....	24
" buildings included therein.....	54
" plans approved.....	41
" tabled for amendment.....	17
" buildings reported begun.....	39
" finished.....	13

Inspection of Foods, Chemical Analyses, etc.

Total number of inspections of milk.....	1,805
" specimens examined.....	2,879
" quarts of milk destroyed.....	120
" inspections of fruit, vegetables and canned goods.....	762
" pounds of same condemned and destroyed.....	24,395
" inspections of meat and fish.....	1,356
" pounds of same condemned and destroyed.....	26,080
" analyses of milk and other foods.....	56
" experimental analyses.....	26

Analysis of Croton Water, September 4, 1891.

Result Expressed in Parts per 100,000.

Appearance.....	Slightly turbid.
Color.....	Light yellowish brown.
Odor (at 100° Fahr.).....	Marshy.
Chlorine in Chlorides.....	0.189
Equivalent to Sodium Chloride.....	0.311
Phosphates.....	None.
Nitrites.....	Faint trace.
Nitrogen in Nitrates and Nitrites (method of Gladstone and Tribe).....	0.0325
Free Ammonia.....	0.0005
Albuminoid Ammonia.....	0.0165
Hardness equivalent to Carbonate of Lime.....	Before boiling..... 4.46
	After boiling..... 4.46

Organic and volatile (loss on ignition).....	2.40
Mineral matter (non-volatile)—Lost Carbonic Acid not restored.....	4.90
Total solids (by evaporation at 230° Fahr.).....	7.30
Temperature at hydrant, 72° Fahr.	

Infectious and Contagious Diseases.

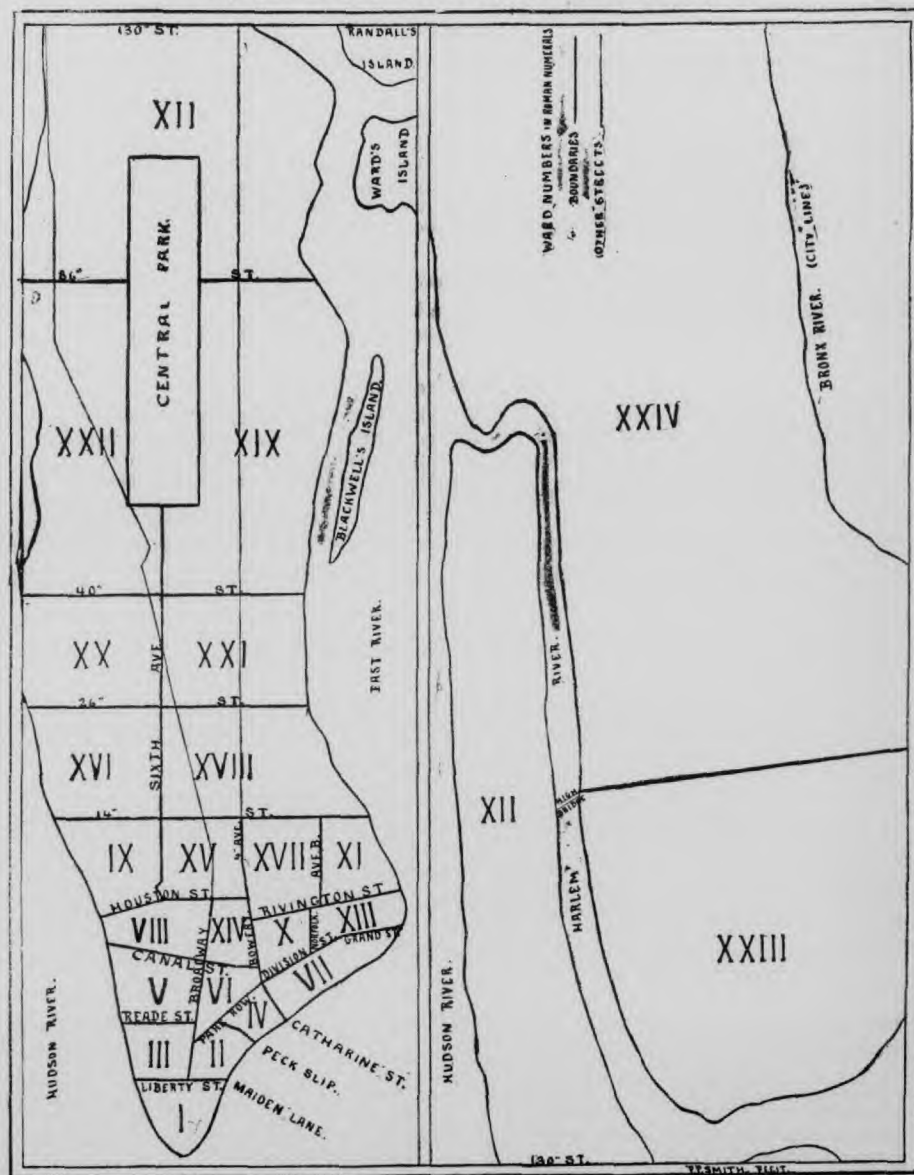
Total number of cases visited.....	288
" premises visited by disinfectors.....	290
" rooms disinfected.....	778
" other places disinfected.....	..
" persons removed to hospital.....	14
" primary vaccinations.....	100
" re-vaccinations.....	22
" certificates of vaccination issued.....	375
" points of vaccine virus collected.....	1,400
" capillary tubes of vaccine virus filled.....	..
" cattle examined by veterinarian.....	742
" glandered horses destroyed.....	4

Total number of dead animals removed from streets.....	783
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Executive Action.

Total number of orders issued for abatement of nuisances.....	572
" attorney's notices issued for non-compliance with orders.....	354
" civil actions begun.....	40
" arrests made.....	1
" judgments obtained in civil courts.....	5
" criminal courts.....	..
" permits issued.....	10
" persons removed from overcrowded apartments.....	10

Map of the City of New York, Showing Ward Lines.



The 736 deaths represent a death-rate of 22.72, against 25.52 for the previous week and 22.80 for the corresponding week of 1890.

Contagious diseases showed a slight decrease, most marked in diphtheria, the number of cases reported of diphtheria, measles and scarlet fever being respectively 52, 56 and 67, against 73, 52 and 62 for the previous week. Diphtheria increased slightly below Fourteenth street, east of Broadway, and between Houston and Fourteenth streets, West, decreasing elsewhere. Measles increased below Fourteenth street, east of Broadway, and between Fourteenth and Twenty-sixth streets, East and West, decreasing elsewhere. Scarlet fever increased between Division and Rivington streets, between Canal and Houston streets, West, between Fourteenth and Twenty-sixth, and Fortieth and Eighty-sixth streets, East, decreasing, as a rule, elsewhere. The cases of typhoid fever were most numerous above Fortieth street, East, and Eighty-sixth street, West.

By order of the Board.

EMMONS CLARK, Secretary.

BOARD OF ELECTRICAL CONTROL.

Minutes of a meeting of the Board of Electrical Control, held at the office of the Mayor, in the City of New York, on Friday, September 4, 1891, at 12 o'clock M.

Present—Mayor Hugh J. Grant, President; Commissioners Jacob Hess and Theodore Moss.

On motion of Commissioner Moss, the reading of the minutes of meeting held on Wednesday, September 2, were dispensed with for the present.

Mayor Grant stated that, owing to the fact that to-morrow, Saturday, being a half holiday and the Monday following being a legal holiday, it would be essential for the Board to act at once on any subway construction to be ordered on Broadway, or else the work of the contractors for cable railroad construction and paving would be delayed. He thereupon offered the following resolution, which was unanimously adopted:

Resolved, That the Empire City Subway Company, Limited, be directed to build, of the special tubing of the Edison Electric Illuminating Company, a subway on the east side of Broadway, from Exchange place to Astor place, on the east side of Broadway, from Fourteenth to Twenty-third street, and on the west side of Broadway, from Twenty-third to Twenty-sixth street.

The Board then adjourned.

METEOROLOGICAL OBSERVATORY OF THE DEPARTMENT OF PUBLIC PARKS, CENTRAL PARK, NEW YORK.

Latitude 40° 45' 58" N. Longitude 73° 57' 58" W. Height of Instruments above the Ground, 53 feet; above the Sea, 97 feet.

ABSTRACT OF REGISTERS FROM SELF-RECORDING INSTRUMENTS For the Week Ending September 5, 1891. Barometer.

DATE.	7 A.M.	2 P.M.	9 P.M.	MEAN FOR THE DAY.	MAXIMUM.	MINIMUM.
AUGUST AND SEPTEMBER.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Time.
Sunday, 30	30.055	30.040	30.034	30.037	30.052	9 A.M.
Monday, 31	30.098	30.098	30.110	30.102	30.114	8 P.M.
Tuesday, 1	30.100	30.070	30.048	30.073	30.106	9 A.M.
Wednesday, 2	30.080	30.048	30.060	30.063	30.090	9 A.M.
Thursday, 3	30.086	30.076	30.070	30.077	30.100	11 A.M.
Friday, 4	30.050	30.040	30.078	30.056	30.098	12 P.M.
Saturday, 5	30.100	30.050	30.050	30.067	30.114	10 A.M.

Mean for the week..... 30.068 inches.
Maximum " at 8 P.M., August 31st..... 30.114 "
Minimum " at 6 P.M., September 1st..... 30.050 "
Range "114 "

Thermometers.

DATE	7 A.M.	2 P.M.	9 P.M.	MEAN.	MAXIMUM.	MINIMUM.	MAXIMUM.
AUGUST AND SEPTEMBER.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	In Sun.
Sunday, 30	62	59	65	62	63.6	61.0	68
Monday, 31	63	60	68	63	66.3	62.3	69
Tuesday, 1	65	61	74	66	70.0	64.6	76
Wednesday, 2	64	61	79	67	72.3	66.6	82
Thursday, 3	70	67	77	72	73.6	69.6	78
Friday, 4	69	66	82	73	75.3	70.0	83
Saturday, 5	71	68	73	68	71.3	68.0	74

Mean for the week..... 70.3 degrees.
Maximum for the week, at 4 P.M., 4th..... 85. " at 4 P.M., 4th..... 74. "
Minimum " at 8 A.M., 30th..... 61. " at 8 A.M., 30th..... 59. "
Range " 24. " 15. "

Wind.

DATE.	DIRECTION.			VELOCITY IN MILES.				FORCE IN POUNDS PER SQUARE FOOT.				
	7 A.M.	2 P.M.	9 P.M.	9 P. M.	7 A. M.	2 P. M.	Distance for the Day.	7 A. M.	2 P. M.	9 P. M.	Max.	Time.
				7 A. M.	2 P. M.	9 P. M.						
AUGUST AND SEPTEMBER.												
Sunday, 30....	NNE	NNE	NNE	28	42	46	116	0	0	0	2	3.20 P.M.
Monday, 31....	NNE	NNW	ESE	56	27	9	92	0	0	0	¼	7.30 A.M.
Tuesday, 1....	NE	ENE	SSE	24	17	11	52	0	0	0	¼	10.40 A.M.
Wednesday, 2....	WNW	W	S	10	8	35	53	0	¼	½	½	6.20 P.M.
Thursday, 3 ...	SW	SSE	S	29	33	43	105	0	¼	0	1½	5 P.M.
Friday, 4....	ESE	SE	SE	14	17	27	58	0	0	0	¼	5.20 P.M.
Saturday, 5 ...	NE	ENE	NE	41	74	43	158	¼	1	0	4	6.20 P.M.

Distance traveled during the week..... 634 miles.
Maximum force..... 4 pounds.

DATE — AUGUST AND SEPTEMBER.	Hygrometer.								Clouds.			Rain and Snow. Ozone.						
	FORCE OF VAPOR.				RELATIVE HUMIDITY.				CLEAR, 0. OVERCAST, 10.			DEPTH OF RAIN AND SNOW IN INCHES.						
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Time of Beginning.	Time of Ending.	Duration.	Amount of Water.	Depth of Snow.	to.	
Sunday, 30	.460	.516	.529	.502	83	83	89	85	10	10	10	2.30 A.M.	11 A.M.	8.30	.40	....	3
Monday, 31	.478	.509	.543	.510	83	74	79	79	10	10	10	.....	.....	.....	.....	.....	0
Tuesday, 1	.483	.532	.608	.541	78	63	80	74	2 Cir.	10	10	.....	.....	.....	.....	.....	0
Wedn'day, 2	.497	.574	.679	.583	83	53	81	74	0	4 Cir.Cu	0	.....	.....	.....	.....	.....	0
Thursday, 3	.622	.718	.679	.673	85	77	81	81	10	10	0	.....	.....	.....	.....	.....	0
Friday, 4	.599	.690	.704	.664	84	63	81	76	10	2 Cir.	5 Cir.	.....	.....	.....	.....	.....	0
Saturday, 5	.644	.618	.658	.640	85	76	80	84	10	10	10 {	6 A.M. 8 P.M.	11.30 A.M. 12 P.M.	5.30 4.00	1.34 .01	} ..	0	

Total amount of water for the week..... 1.75 inch.
Duration for the week..... 18 hours, 00 minutes.

DATE.	7 A.M.	2 P.M.
AUGUST AND SEPTEMBER.		
Sunday, Aug. 30	Cool, raining.....	Cool, overcast.
Monday, Sept. 1	Cool, overcast.....	Mild, overcast.
Tuesday, " 2	Mild, pleasant.....	Mild, hazy.
Wednesday, " 3	Mild, hazy, dew.....	Warm, pleasant.
Thursday, " 4	Cool, overcast, dew.....	Mild, drizzling.
Friday, " 5	Close, fog.....	Warm, pleasant.
Saturday, " 6	Raw, raining.....	Mild, overcast.

DANIEL DRAPER, PH. D., Director.

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE,
NEW YORK, March 4, 1890.

Pursuant to section 1, subdivision 3 of chapter 10, Laws of 1888, I hereby designate the "New Yorker Zeitung" and "New York Daily News," of the daily papers printed in the City of New York as the newspapers in which the advertisements of the public notice of the time and place of auction sales in the City of New York shall be published.

HUGH J. GRANT, Mayor.

MAYOR'S OFFICE,
NEW YORK, February 1, 1889.

Pursuant to section 9 of chapter 339, Laws of 1883, I hereby designate the "Daily News" and the "New York Morning Journal," two of the daily papers printed in the City of New York, in which notice of each sale of unredeemed pawns or pledges by public auction in said city, by pawnbrokers, shall be published for at least six days previous thereto, until otherwise ordered.

HUGH J. GRANT, Mayor.

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. WM. McM. SPEER, 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.

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, 9 A. M. to 12 M.

AQUEDUCT COMMISSIONERS.
Room 209, Stewart Building, 5th floor, 9 A. M. to 5 P. M.
JAMES C. DUANE, President; JOHN C. SHEEHAN, Secretary; A. FTELEV, Chief Engineer; J. C. LULLEY, Auditor.

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.
FRANCIS J. TWOMEY, Clerk Common Council.

City Library.
No. 12 City Hall, 10 A. M. to 4 P. M.
MICHAEL C. PADDEN, City Librarian.

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.
No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS F. GILROY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner.

Bureau of Chief Engineer.
No. 31 Chambers street, 9 A. M. to 4 P. M.
GEORGE W. BIRDSALL, Chief Engineer.

Bureau of Water Register.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOSEPH RILEY, Register.

Bureau of Street Improvements.
No. 31 Chambers street, 9 A. M. to 4 P. M.
WM. M. DEAN, Superintendent.

Office of Engineer in Charge of Sewers.
No. 31 Chambers street, 9 A. M. to 4 P. M.
HORACE LOOMIS, Engineer-in-Charge.

Bureau of Repairs and Supplies.
No. 31 Chambers street, 9 A. M. to 4 P. M.
WILLIAM G. BERGEN, Superintendent.

Bureau of Water Purveyor.
No. 31 Chambers street, 9 A. M. to 4 P. M.
WM. H. BURKE, Water Purveyor.

Bureau of Lamps and Gas.
No. 31 Chambers street, 9 A. M. to 4 P. M.
STEPHEN MCCORMICK, Superintendent.

Bureau of Streets and Roads.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOHN B. SHEA, Superintendent.

Bureau of Incumbrances.
No. 31 Chambers street, 9 A. M. to 4 P. M.
MICHAEL T. CUMMINGS, Superintendent.

Keeper of City Hall
MARTIN J. KRESE, City Hall.

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 EVCK, 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.
JAMES DALY, 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 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.

Office of the Corporation Attorney.

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

POLICE DEPARTMENT.

Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.
CHARLES F. MACLEAN, President; 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; 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.

HARLEM RIVER BRIDGE COMMISSION.

Washington Building, No. 1 Broadway.

FIRE DEPARTMENT.

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

Headquarters.

Nos. 157 and 159 East Sixty-seventh street.
HENRY D. PURROY, President; CARL JUSSEN, Secretary.

Bureau of Chief of Department.

HUGH BONNER, Chief of Department.

Bureau of Inspector of Combustibles.

PETER SEERY, Inspector of Combustibles.

Bureau of Fire Marshal.

JAMES MITCHELL, Fire Marshal.

Bureau of Inspection of Buildings.

THOMAS J. BRADY, Superintendent of Buildings.

Attorney to Department.

WM. L. FINDLEY.

Fire Alarm Telegraph.

J. ELLIOT SMITH, Superintendent.
Central Office open at all hours.

Repair Shops.

Nos. 128 and 130 West Third street.
JOHN CASTLES, Foreman-in-Charge, 8 A. M. to 5 P. M.
Open at all hours.

Hospital Stables.

Ninety-ninth street, between Ninth and Tenth avenues,
JOSEPH SHEA, Foreman-in-Charge.
Open at all hours.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES G. WILSON, President; EMMONS CLAPE, 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.
ALBERT GALLUP, President; CHARLES DE F. BURNS, Secretary.

DEPARTMENT OF DOCKS.

Battery, Pier A, North river.
EDWIN A. POST, President; 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; FLOYD T. SMITH, Secretary.

DEPARTMENT OF STREET CLEANING.

Stewart Building. Office hours, 9 A. M. to 4 P. M.
HANS S. BEATTIE, Commissioner; WILLIAM DALTON, Deputy Commissioner; GILBERT O. F. NICOLL, Chief Clerk.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Cooper Union, 9 A. M. to 4 P. M.
JAMES THOMSON, Chairman of the Supervisory Board
LEE PHILLIPS, Secretary and Executive Officer.

BOARD OF ESTIMATE AND APPORTIONMENT

The Mayor, Chairman; E. P. BARKER, Secretary,
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; WM. H. JASPER, Secretary

BOARD OF EXCISE.

No. 54 Bond street, 9 A. M. to 4 P. M.
ALEXANDER MEAKIN, President; JAMES F. BISHOP,
Secretary and Chief Clerk.

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.

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
FRANK T. FITZGERALD, Register; JAMES A. HANLEY,
Deputy Register.

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.

COUNTY CLERK'S OFFICE.

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

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.

SURROGATE'S COURT.

New County Court-house. Court opens at 10.30 A. M.
RASTUS S. RANSOM, Surrogate; WILLIAM V. LEARY,
Chief Clerk.

CORONERS' OFFICE.

No. 124 Second avenue, 8 A. M. to 5 P. M. Sundays and
holidays, 8 A. M. to 12.30 P. M.
MICHAEL J. B. MESSEMER, FERDINAND LEVY, DANIEL
HANLY, LOUIS W. SCHULTZ, Coroners; EDWARD F.
REYNOLDS, Clerk of the Board of Coroners.

SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.
General Term, Room No. 35.
Special Term, Room No. 33.
Equity Term, Room No. 30.
Chambers, Room No. 33.
Part I., Room No. 34.
Part II., Room No. 35.
Part III., Room No. 36.
Judges' Private Chambers.
Naturalization Bureau, Room No. 31.
Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.
JOHN SEDGWICK, Chief Judge; THOMAS BOESE, Chief
Clerk.

COURT OF COMMON PLEAS.

Third floor, New County Court-house, 9 A. M. to 4 P. M.
Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M.
Clerk's Office, Room No. 21, 9 A. M. to 4 P. M.
General Term, Room No. 24, 11 o'clock A. M. to adjournment.
Special Term, Room No. 22, 11 o'clock A. M. to adjournment.
Chambers, Room No. 22, 10.30 o'clock A. M. to adjournment.
Part I., Room No. 26, 11 o'clock A. M. to adjournment.
Part II., Room No. 24, 11 o'clock A. M. to adjournment.
Equity Term, Room No. 25, 11 o'clock A. M. to adjournment.
Naturalization Bureau, Room No. 23, 9 A. M. to 4 P. M.
JOSEPH F. DALY, Chief Justice; S. JONES, Chief
Clerk.

COURT OF GENERAL SESSIONS.

No. 32 Chambers street. Court open at 11 o'clock A. M.
FREDERICK SMYTH, Recorder; RANDOLPH B. MAR-
TINE, JAMES FITZGERALD and RUFUS B. COWING,
Judges.
Terms open, first Monday each month.
JOHN SPARKS, Clerk. Office, Room No. 11, 10 A. M. till
P. M.

OVER AND TERMINER COURT

New County Court-house, second floor, southeast cor-
ner, Room No. 12. Court opens at 10.30 o'clock A. M.
JOHN SPARKS, Clerk. Office, Brown-stone Building,
City Hall Park, second floor, northwest corner, Room
No. 11, 10 A. M. till 4 P. M.

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 com-
pleted and are lodged in the office of the Board of As-
sessors for examination by all persons interested, viz.:
List 3598, No. 1. Paving Sixty-seventh street, from
Eighth to Ninth avenue, with granite blocks.

List 3601, No. 2. Paving One Hundred and Ninth
street, from Madison to Fifth avenue, with granite blocks.
List 3605, No. 3. Repaving Sixteenth street, from Ave-
nue C to the East river, with asphalt, and laying cross-
walks so far as the same is within the limits of grants
of land under water, under chapter 449, Laws of 1889.
List 3606, No. 4. Flagging, reflagging, curbing and
recurring east side of West End avenue, between
Seventy-sixth and Seventy-seventh streets.

List 3610, No. 5. Laying crosswalks across Lenox
avenue, at the northerly and southerly sides of One
Hundred and Thirtieth street.

List 3611, No. 6. Laying crosswalks across Lenox
avenue, at the northerly and southerly sides of One
Hundred and Eighteenth street.

List 3615, No. 7. Fencing the vacant lots on the north
side of Ninety-ninth street, between Eighth and Ninth
avenues.

List 3616, No. 8. Fencing the vacant lots on both
sides of Eighty-eighth street, from Central Park, West,
to Riverside Drive.

List 3623, No. 9. Flagging and reflagging in front of
vacant lots Nos. 10, 12 and 14 West Fifty-sixth street.

List 3624, No. 10. Flagging, curbing and recurring in
front of Nos. 7 and 9 Abington square.

List 3626, No. 11. Laying a crosswalk across the

Western Boulevard at the northerly side of One Hun-
dred and Fortieth street.

List 3627, No. 12. Laying crosswalks across Tenth
avenue, from the present line of bridge-stone on the
easterly house-line of Tenth avenue to the westerly line
of Tenth avenue, at the intersection of the southerly
line of Kingsbridge road.

The limits embraced by such assessments include all
the several houses and lots of ground, vacant lots, pieces
and parcels of land situated on—
No. 1. Both sides of Sixty-seventh street, from Eighth
to Ninth avenue, and to the extent of half the block at
the intersecting avenues.

No. 2. Both sides of One Hundred and Ninth street,
from Madison to Fifth avenue, and to the extent of half
the block at the intersecting avenues.

No. 3. Both sides of Sixteenth street, from Avenue C
to the East river, and to the extent of half the block at
the intersecting avenues.

No. 4. East side of West End avenue, from a point
distant about 102 feet 2 inches south of Seventy-seventh
street to the southerly line of Seventy-seventh street.

No. 5. To the extent of half the block from the north-
erly and southerly intersections of Lenox avenue and
One Hundred and Thirtieth street.

No. 6. To the extent of half the block from the north-
erly and southerly sides of Lenox avenue and One Hun-
dred and Eighteenth street.

No. 7. Lots known as Block 911, Ward Nos. 10, 11 and
18.

No. 8. Both sides of Eighty-eighth street, from Central
Park, West, to Riverside Drive, upon the following
described lots: Block 900, Wards Nos. 6, 7 and 8, 12,
13, 14, 15, 16, 17; Block 1014, Ward Nos. 42 to 51,
inclusive; Block 1015, Ward Nos. 13, and from 18 to 29,
inclusive; Block 1129, Ward No. 29; Block 1244, Ward
Nos. 46 to 53, inclusive; Block 1245, Ward Nos. 22 to 25
inclusive.

No. 9. Block 540, Ward Nos. 46, 47 and 48.

No. 10. Ward numbers 2553 and 2554.

No. 11. To the extent of half the block from the
northerly intersection of Boulevard and One Hundred
and Fortieth street.

No. 12. Farm 9, Ward Nos. 31 to 35, inclusive, and
Ward No. 124. Farm 3, Ward Nos. 61 to 64, inclusive.

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 objec-
tions in writing to the Chairman of the Board of As-
sessors, at their office, No. 27 Chambers street, within
thirty days from the date of this notice.

The above-described lists will be transmitted, as pro-
vided by law, to the Board of Revision and Correction
of Assessments for confirmation on the 13th day of
October, 1891.

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, Sept. 12, 1891.

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 com-
pleted and are lodged in the office of the Board of As-
sessors, for examination by all persons interested, viz.:
List 3593, No. 1. Repaving Thirty-fourth street, from
First avenue to the East river (as far as the same is
within the limits of grants of land under water), with
trap blocks.

List 3594, No. 2. Paving One Hundred and Thirty-
eighth street, from Eighth to Edgecombe avenue, with
asphalt, and laying crosswalks.

List 3595, No. 3. Paving One Hundred and Twentieth
street, from Seventh to Eighth avenue, with asphalt,
and laying crosswalks.

List 3617, No. 4. Flagging and reflagging, curbing
and recurring south side of One Hundred and Thirtieth
street, from Fifth to Madison avenue.

List 3618, No. 5. Curbing and flagging both sides of
One Hundred and Forty-second street, from Amsterdam
avenue to Hamilton place.

List 3619, No. 6. Curbing and flagging One Hundred
and Twenty-second street, between Manhattan and
Columbus avenues.

List 3620, No. 7. Flagging and reflagging, curbing
and recurring both sides of Thirty-second street, from Lex-
ington to Fourth avenue.

List 3621, No. 8. Curbing and flagging south side of
Sixtieth street, between Tenth and Eleventh avenues.

List 3575, No. 9. Paving Eighty-ninth street, from
Tenth avenue to the Boulevard, with granite blocks,
and laying crosswalks.

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

No. 1. Both sides of Thirty-fourth street, from First
avenue to the East river, and to the extent of half the
block at the intersection of First avenue.

No. 2. Both sides of One Hundred and Thirty-eighth
street, from Eighth to Edgecombe avenue, and to the
extent of half the block at the intersecting avenues.

No. 3. Both sides of One Hundred and Twentieth
street, from Seventh to Eighth avenue, and to the
extent of half the block at the intersecting avenues.

No. 4. South side of One Hundred and Thirtieth
street, from Fifth to Madison avenue.

No. 5. Both sides of One Hundred and Forty-second
street, from Hamilton place to Amsterdam avenue.

No. 6. Northeast corner of One Hundred and
Twenty-second street and Columbus avenue.

No. 7. Both sides of Thirty-second street, from Lex-
ington to Fourth avenue.

No. 8. South side of Sixtieth street, from Tenth to
Eleventh avenue.

No. 9. Both sides of Eighty-ninth street, from Tenth
avenue to the Boulevard, and to the extent of half the
block at the intersecting avenues.

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 objec-
tions in writing to the Chairman of the Board of As-
sessors, at their office, No. 27 Chambers street, within
thirty days from the date of this notice.

The above-described lists will be transmitted, as pro-
vided by law, to the Board of Revision and Correction
of Assessments for confirmation on the 10th day of
October, 1891.

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, Sept. 9, 1891.

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, September 3, 1891.

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 M., on Thursday, September
17, 1891, at which place and hour they will be publicly
opened by the head of the Department.

No. 1. FOR 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.

No. 2. FOR REPAIRING, PAINTING AND RE-
STORING THE BUILDING DAMAGED
BY FIRE IN WEST WASHINGTON
MARKET, between Gansevoort street,
Grace, Lawton and Thirteenth avenues.

No. 3. FOR LAYING WATER-MAINS IN SEVEN-
TY-SIXTH, NINETY-FIFTH, ONE HUN-
DRED AND SECOND, ONE HUNDRED
THIRTEENTH, ONE HUNDRED AND
FORTY-SIXTH, ONE HUNDRED AND
FORTY-SEVENTH, ONE HUNDRED AND
SIXTY-SEVENTH, SUBURBAN AND
JENNINGS STREETS; IN WEBSTER,
SCOTT, DECATUR, PERRY, ANDREWS
AND AQUEDUCT AVENUES, AND IN
SIGNAL, COLES AND POE PLACES

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 depart-
ment, 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 Cor-
poration 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 accom-
panied 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 suc-
cessful 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 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 9, 10 and 15, No. 31 Chambers
street.

THOS. F. GILROY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, September 3, 1891.

NOTICE OF SALE AT PUBLIC AUCTION.

ON FRIDAY, SEPTEMBER 18, 1891, AT 11.30
o'clock A. M., the Department of Public Works
will sell at public auction, by Messrs. Van Tassel &
Kearney, auctioneers, the following, viz.:
At Pier 24, North river, about 25,000 old Belgian
blocks.

At Pier 29, North river, about 130,000 old Belgian
blocks.

At Sixteenth street and North river, about 60,000 Bel-
gian blocks.

On West street, from Battery place to Canal street,
about 1,000,000 Belgian blocks.

TERMS OF SALE.

The purchaser must remove the paving-blocks
within ten days from the date of sale, otherwise he will
forfeit the same, together with all moneys paid therefor;
the purchase money to be paid in bankable funds at
the time and place of sale.

In the case of West street, the paving-blocks shall be
delivered at a place on the North river, south of Canal
street, to be designated by the purchaser, as soon
as the contractor for taking up the pavement is ready
to remove them; 30 per cent. of the purchase money
shall be paid at the time and place of the sale, and the
balance on delivery of the stone; 30 per cent. to be
retained and allowed in payment on final delivery of
the paving blocks.

THOS. F. GILROY,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
NO. 31 CHAMBERS STREET,
NEW YORK, August 14, 1889.

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, con-
tained 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 thereupon 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 assess-
ment 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.

THE NORMAL COLLEGE OF THE
CITY OF NEW YORK.

A STATED SESSION OF THE BOARD OF
Trustees of the Normal College of the City of New
York will be held at the Hall of the Board of Educa-
tion, No. 146 Grand street, on Tuesday, September 15,
1891, at 4 o'clock P. M.

JOHN L. N. HUNT,
Chairman.

ARTHUR McMULLIN,
Secretary.
Dated NEW YORK, September 8, 1891.

THE COLLEGE OF THE CITY OF
NEW YORK.

A STATED SESSION OF THE BOARD OF
Trustees of the College of the City of New York
will be held at the Hall of the Board of Education, No.
146 Grand street, on Tuesday, September 15, 1891, at
4.30 o'clock P. M.

JOHN L. N. HUNT,
Chairman.

ARTHUR McMULLIN,
Secretary.
Dated NEW YORK, September 8, 1891.

JURORS.

**NOTICE OF COMMISSIONER OF JURORS
IN REGARD TO CLAIMS FOR EX-
EMPTION FROM JURY DUTY.**

ROOM 127, STEWART BUILDING,
NO. 280 BROADWAY, THIRD FLOOR,
NEW YORK, June 1, 1891.

CLAIMS FOR EXEMPTION FROM JURY
duty will be heard by me daily at my office, from
9 A. M. until 4 P. M.

Those entitled to exemption are: Clergymen, lawyers,
physicians, surgeons, surgeon-dentists, professors or
teachers in a college, academy or public school, editors,
editorial writers or reporters of daily newspapers,
licensed pharmacists or pharmacists, actually engaged in
their respective professions and not following any other
calling; militiamen, policemen, and firemen; election
officers, jury non-residents, and city employees, and
United States employees; officers of vessels making
regular trips; licensed pilots, actually following that
calling; superintendents, conductors and engineers of
a railroad company other than a street railroad com-
pany; telegraph operators actually doing duty as such;
Grand, Sheriff's, and Civil Court jurors; stationary
engineers; and persons physically incapable of per-
forming jury duty by reason of severe sickness, deal-
ness, or other physical disorder.

Those who have not answered as to their liability, or
proved permanent exemption, will receive a "jury en-
rollment notice," requiring them to appear before me
this year. Whether liable or not, such notices must be
answered (in person, if possible), and at this office only,
under severe penalties. If exempt, the party must
bring proof of exemption; if liable, he must also answer
in person, giving full and correct name, residence, etc.
etc. No attention paid to letters.

All good citizens will aid the course of justice, and
secure reliable and respectable juries, and equalize their
duty by serving promptly when summoned, allowing
their clerks or subordinates to serve, reporting to me
any attempt at bribery or evasion, and suggesting names
for enrollment. Persons between sixty and seventy
years of age, summer absentees, persons temporarily
ill, and United States jurors, are not exempt.

Every man must attend to his own notice. It is a
misdemeanor to give any jury paper to another to
answer. It is also punishable by fine or imprisonment
to give or receive any present or bribe, directly or indi-
rectly, in relation to a jury service, or to withhold any
paper or make any false statement and every case will
be fully prosecuted.

BERNARD F. MARTIN,
Commissioner of Jurors.

DEPARTMENT OF PUBLIC CHAR-
ITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
NO. 66 THIRD AVENUE.

TO CONTRACTORS.

**MATERIALS AND WORK REQUIRED
FOR A WATER-CLOSET TOWER AT
CHARITY HOSPITAL, BLACKWELL'S
ISLAND.**

SEALED BIDS OR ESTIMATES FOR THE
aforesaid work and materials, in accordance with
the specifications and plans, will be received at the
office of the Department of Public Charities and Correc-
tion, No. 66 Third avenue, in the City of New York,
until 10 o'clock

formance of the contract, by his or their bond, with two sufficient sureties, each in the penal amount of **TWO THOUSAND FIVE HUNDRED (\$2,500) DOLLARS.**

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, 1880, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of this security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

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

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and provide such proper security, as has been heretofore stated to be requisite, 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.

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications, and showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated NEW YORK, September 5, 1891.
HENRY H. PORTER, President,
CHARLES E. SIMMONS, M. D., Commissioner,
EDWARD C. SHEEHY, Commissioner,
Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
No. 66 THIRD AVENUE.

TO CONTRACTORS.

MATERIALS AND WORK REQUIRED FOR REPAIRING PAVILION D, RANDALL'S ISLAND, N. Y. CITY.

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans, will be received at the office of the Department of Public Charities and Correction, No. 66 Third Avenue, in the City of New York, until Friday, September 18, 1891, until 10 A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed, "Bid or Estimate for Repairs to Pavilion D," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

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.

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

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of **ONE THOUSAND (\$1,000) DOLLARS.**

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; also that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a Department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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 shall 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 12 of chapter 7 of the Revised Ordinances of the City of New York, 1880, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of this security shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

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

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and provide such proper security, as has been heretofore stated to be requisite, 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.

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated NEW YORK, September 5, 1891.
HENRY H. PORTER, President,
CHARLES E. SIMMONS, M. D., Commissioner,
EDWARD C. SHEEHY, Commissioner,
Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
No. 66 THIRD AVENUE.

TO CONTRACTORS.

MATERIALS AND WORK REQUIRED IN THE ERECTION OF ADDITION TO HARLEM HOSPITAL.

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans will be received at the office of the Department of Public Charities and Correction, No. 66 Third Avenue, in the City of New York, until Friday, September 18, 1891, until 10 A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Addition to Harlem Hospital," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

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.

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

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal amount of **FIVE HUNDRED (\$500) DOLLARS.**

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; also that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof. The 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 shall 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 12 of chapter 7 of the

Revised Ordinances of the City of New York, 1880, 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 shall, in addition to the justification and acknowledgment, be approved by the Comptroller of the City of New York.

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

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and provide such proper security, as has been heretofore stated to be requisite, 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.

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine.

The form of the contract, including specifications, showing the manner of payment, will be furnished at the office of the Department, and bidders are cautioned to examine each and all of its provisions carefully, as the Board of Public Charities and Correction will insist upon its absolute enforcement in every particular.

Dated NEW YORK, September 5, 1891.
HENRY H. PORTER, President,
CHARLES E. SIMMONS, M. D., Commissioner,
EDWARD C. SHEEHY, Commissioner,
Public Charities and Correction.

DEPARTMENT OF DOCKS.

(Work of Construction under New Plan.)

DEPARTMENT OF DOCKS,
PIER "A," NORTH RIVER.

TO CONTRACTORS.

(No. 396.)

PROPOSALS FOR ESTIMATES FOR FURNISHING GRANITE STONES FOR BULKHEAD OR RIVER-WALL.

ESTIMATES FOR FURNISHING GRANITE stones for bulkhead or river-wall will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, SEPTEMBER 24, 1891,

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

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

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

The Engineer's estimate of the work to be done is as follows:

To be furnished, cut in accordance with specifications, 556 pieces of granite, consisting of 283 headers and 273 stretchers, containing about 11,500 cubic feet.

For further particulars, see the drawings referred to in the specifications forming part of the contract.

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

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

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

The first delivery of granite under this contract will be made as soon as practicable after the date of the execution of this contract, and will proceed thereafter with reasonable dispatch, and all the work to be done under this contract is to be fully completed on or before the 25th day of January, 1892, and the amounts in each delivery are to be divided between the several classes, as ordered by the Engineer-in-Chief. The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates the price per cubic foot for the stones to be furnished in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay from any cause in the performing of the work thereunder. Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing the work.

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

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also, that the estimate is made without any connection

with any other person making an estimate for the same work, and that it is in all respects fair and without collusion or fraud; and also, that no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.

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

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

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

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

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

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

EDWIN A. POST,
J. SERGEANT CRAM,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated NEW YORK, September 9, 1891.

(Work of Construction under New Plan.)

DEPARTMENT OF DOCKS,
PIER "A," NORTH RIVER.

TO CONTRACTORS.

(No. 397.)

PROPOSALS FOR ESTIMATES FOR REMOVING THE EXISTING EARTH, ETC., FROM THE NEWLY-MADE LAND FOR A WIDTH OF FIFTY FEET, EXTENDING FROM DEY STREET TO VESEY STREET, NORTH RIVER, WHICH IS TO BE PAVED, AND PREPARING FOR AND PAVING THE SAME WITH GRANITE OR STATEN ISLAND SYENITE BLOCKS, LAYING CROSSLINKS AND BUILDING THE NECESSARY DRAINS OR SEWERS.

ESTIMATES FOR REMOVING ALL OF THE existing earth, etc., from the newly-made land for a width of 50 feet, extending from Dey street to Vesey street, North river, and for paving the same with granite or Staten Island syenite blocks, laying crosswalks and building the necessary drains or sewers, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, SEPTEMBER 24, 1891,

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

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

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

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

- 1,800 cubic yards of earth, etc., to be removed.
- 262 cubic yards of clean sand to be laid.
- 155 cubic yards of gravel for joints.
- 2,300 square yards of paving to be laid.
- 600 square feet of crosswalks to be laid.
- 9,454 gallons of paving cement.
- 840 cubic feet of brick work.
- 30 square feet of blue stone, 5 inches thick.
- 30 square feet of blue stone, 4 inches thick.
- 30 square feet of blue stone, 3 inches thick.
- 92 cubic yards of concrete to be laid.
- 425 linear feet of 18-inch sewer pipe to be laid.
- 128 linear feet of 12-inch iron pipe to be laid.
- 4,880 pounds of cast-iron for heads of silt basins, etc.
- 3,200 feet, B. M., 5-inch yellow pine.

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

(1.) Bidders must satisfy themselves by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an

estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

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

The work to be done under the contract is to be commenced within five days after the date of the contract, and all the work to be done under the contract is to be fully completed on or before the 31st day of December, 1891, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

All the old material to be removed under this contract will be relinquished to the contractor, and bidders must estimate the value of such material when considering the price for which they will do the work under the contract.

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

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

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

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

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

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

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

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

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

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

EDWIN A. POST,
J. SERGEANT CRAM,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated New York, September 8, 1891.

(Work of Construction under New Plan.)

DEPARTMENT OF DOCKS,
PIER "A," NORTH RIVER.

TO CONTRACTORS.

(No. 392.)

PROPOSALS FOR ESTIMATES FOR REMOVING THE EXISTING EARTH, ETC., BETWEEN THE WESTERLY LINE OF WEST STREET AND A LINE FIFTY FEET WESTERLY THEREFROM, AND FROM THE NORTHERLY SIDE OF FRANKLIN STREET, EXTENDED, TO ABOUT THE SOUTHERLY SIDE OF VESTRY STREET, EXTENDED, AND PREPARING FOR AND PAVING THE SAME WITH GRANITE OR STATEN ISLAND SYENITE BLOCKS, LAYING CROSSWALKS AND BUILDING THE NECESSARY DRAINS OR SEWERS.

ESTIMATES FOR REMOVING THE EXISTING earth, etc., from the above-described area, and preparing for and paving the same with granite or Staten Island Syenite blocks, laying crosswalks and building the necessary drains or sewers, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P.M. of

THURSDAY, SEPTEMBER 17, 1891,

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

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

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

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

1,200 cubic yards of dirt to be removed.
1,350 square yards of plank to be removed.
800 cubic yards of clean sand to be laid.
425 cubic yards of gravel for joints.
6,150 square yards of paving to be laid.
1,800 square feet of crosswalks to be laid.
27,500 gallons of paving cement.
1,402 cubic feet of brick work.
142 square feet of blue stone, 4 inches thick.
60 square feet of blue stone, 3 inches thick.
210 cubic yards of concrete to be laid.
975 linear feet of 18 inch glazed sewer pipe.
9,760 pounds of cast-iron for heads of silt basins and manholes.
1,584 pounds of heavy 6-inch angle bar.
5,670 feet B. M. of 5-inch yellow pine planking.

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

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

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

The work to be done under the contract is to be commenced within five days after the date of the contract, and all the work to be done under the contract is to be fully completed on or before the 1st day of February, 1892, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

All the old material specified to be removed under this contract will be relinquished to the contractor, and bidders must estimate the value of such material when considering the price for which they will do the work under the contract.

All the material excavated is to be removed by the contractor and deposited in all respects according to law.

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

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

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

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

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

No estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the

sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

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

EDWIN A. POST,
J. SERGEANT CRAM,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated New York, August 31, 1891.

FINANCE DEPARTMENT.

LEASE OF CITY PROPERTY AT PUBLIC AUCTION.

THE COMPTROLLER OF THE CITY OF NEW YORK will sell at public auction to the highest bidder of yearly rental, at his office, Room 15, Stewart Building, corner Broadway and Chambers street, on Monday, September 21, 1891, at 12 o'clock M., the lease of the following-described premises belonging to the Corporation of the City of New York, for the term ending May 1, 1896, viz.:

1. Building, Nos. 8, 10, 12 and 14 Chambers street, Fourth Ward.

TERMS OF SALE.

The rental shall be paid monthly in advance, and the highest bidder shall be required to pay the auctioneer's fee and one month's rent, or one-twelfth of the amount of the yearly rent bid by him at the time and place of sale.

The amount so paid for one month's rent shall be forfeited if the successful bidder does not execute the lease and bond within fifteen days after the sale, and the Comptroller is authorized, at his option, to resell the premises bid off by any person failing to comply with this condition of the sale, and the person so failing to comply shall be liable for any deficiency that may result from such resale.

No person will be received as lessee or surety who is delinquent on any former lease from the Corporation, and no bid will be accepted from any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation, as provided by law.

The leases will contain the usual covenants and conditions, reserving to the Corporation the right to cancel the lease whenever the premises may be required by them for public purposes.

All repairs will be made at the expense of the lessees, except for necessary repairs of the roof of the building.

All Croton water-rents laid on the premises, or any part thereof, during the term of the lease, shall be paid by the lessee.

The lessees will be required to give a bond for double the amount of the annual rent, with two sureties, to be approved by the Comptroller, conditioned for the payment of the rent monthly, and the fulfillment on their part of the covenants of the lease.

The Comptroller shall have the right to reject any bid. By order of the Commissioners of the Sinking Fund.

THEO. W. MYERS,
Comptroller.
CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, September 8, 1891.

PROPOSALS FOR \$155,459.00 CONSOLIDATED STOCK OF THE CITY OF NEW YORK, KNOWN AS SCHOOL-HOUSE BONDS.

EXEMPT FROM TAXATION.

INTEREST THREE PER CENT. PER ANNUM.

SEALED PROPOSALS WILL BE RECEIVED BY the Comptroller of the City of New York, at his office, until Wednesday, the 16th day of September, 1891, 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 \$155,459 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 1908, 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 252 of the Laws of 1889, 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 August 3, 1891, and as authorized by resolutions of the Board of Estimate and Apportionment and the Board of Education.

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 3, 1891.

REAL ESTATE RECORDS.

THE ATTENTION OF LAWYERS, REAL Estate Owners, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1653 to 1857, prepared under the direction of the Commissioners of Records.

Grants, grantees, suits in equity, insolvents' and Sheriff's sales in 61 volumes, full bound, price \$100 00
The same in 25 volumes, half bound 50 00
Complete sets, folded, ready for binding 15 00
Records of Judgments, 25 volumes, bound 10 00
Orders should be addressed to
Room 23, Stewart Building.

THEODORE W. MYERS,
Comptroller.

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
COOPER UNION,
NEW YORK, April 3, 1890.

NOTICE.

1. Office hours from 9 A. M. until 4 P. M.
2. Blank applications for positions in the classified service of the city may be procured upon application at the above office.

3. Examinations will be held from time to time as the needs of the several Departments of the City Government may require. When examinations are called, all persons who have filed applications prior to that date will be notified to appear for examination for the position specified.

4. All information in relation to the Municipal Civil Service will be given upon application either in person or by letter. Those asking for information by mail should inclose stamp for reply.

5. The classification by schedule of city employees is as follows:

Schedule A shall include all deputies of officers and commissioners duly authorized to act for their principals, and all persons necessarily occupying a strictly confidential position.

Schedule B shall include clerks, copyists, recorders, bookkeepers and others rendering clerical services, except type-writers and stenographers.

Schedule C shall include Policemen, both in the Police Department and Department of Parks, and the uniformed force in the Fire Department, and Doormen in the Police Department.

Schedule D shall include all persons for whose duty special expert knowledge is required not included in Schedule E.

Schedule F shall include physicians, chemists, nurses, orderlies and attendants in the city hospitals and asylums, surgeons in the Police Department and the Department of Public Parks, and medical officers in the Fire Department.

Schedule G shall include stenographers, type-writers and all persons not included in the foregoing schedules except laborers or day workmen.

Schedule H shall include all persons employed as laborers or day workmen.

Positions falling within Schedules A and G are exempt from Civil Service examination.

LEE PHILLIPS,
Secretary and Executive Officer

DEPARTMENT OF PUBLIC PARKS

DEPARTMENT OF PUBLIC PARKS,
NOS. 49 AND 51 CHAMBERS STREET,
NEW YORK, September 10, 1891.

TO CONTRACTORS.

SEALED BIDS OR ESTIMATES, WITH THE title of the work and the name of the bidder indorsed thereon, will be received by the Department of Public Parks, at its offices, Nos. 49 and 51 Chambers street, until eleven o'clock A. M. on Wednesday, October 7, 1891.

FOR THE CONSTRUCTION OF A BRIDGE OVER THE HARLEM RIVER AT ONE HUNDRED AND FIFTY-FIFTH STREET, TO TAKE THE PLACE OF EXISTING MACCOMB'S DAM OR CENTRAL BRIDGE AND IN CONNECTION WITH VIADUCT NOW BUILDING ON SAID STREET.

The following is a statement, based upon the estimates of the Engineer, of the quantity and quality and the nature and extent, as near as possible, of the work required, and the several bids will be tested by the quantities and qualities mentioned in such statement:

Dredging.
600 cubic yards at site Pier I.
800 cubic yards at site Pier II.
6,000 cubic yards for fender cribs.

Pneumatic Caissons.
1,622 cubic yards to low water, Pier I.
2,667 cubic yards to low water, Pier II.

Coffer Dam.
2,225 cubic yards to low water, Pier III.

Excavation.
1,800 cubic yards excavation, Piers IV., V., VI. and VII.

Piling.
200 piles, forty feet or under.
600 piles, forty to sixty feet.

Timber.
86,000 feet, B. M., yellow pine timber in grillages.

Fenders.
582,540 cubic feet crib-fenders.
130,000 feet, B. M., planking and timbering of fenders.

Masonry.
2,500 cubic yards above low water, Piers I. and III.
1,000 cubic yards above low water, Pier II.
3,450 cubic yards above platform, Piers IV., V., VI. and VII.
2,800 cubic feet and pedestals and newels, Piers IV., V., VI. and VII.
17,000 square feet dressed exposed surfaces axed and pointed work.

Watchmen's houses complete.

Steel Work.
2,419,000 pounds metal draw span.
750,000 pounds metal turn table.
1,360,000 pounds steel fixed spans.

Ornamental.
Finials and bronze work.

Machinery.
Draw span machinery.

Engine-room.
Building and fitting up engine-room.

Railings, etc.
824 linear feet railing, including rail box and cornice for draw span.
630 linear feet railing, including rail box and cornice for fixed span.
64 single light lamps, draw span.
8 cluster lamps, fixed span.

Sidewalks, Roadway, etc.

1,690 square yards asphalt sidewalks.
3,300 square yards asphalt roadway.
25,500 pounds cast-iron grating.

Gas-pipe.

1,500 linear feet gas-pipe main.

Paint.

Extra coat paint, superstructure.
Removal of present bridge and maintaining travel.

Bidders will state prices as follows:

1. For all dredging, per cubic yard.....
2. For all pneumatic work with masonry filling, per cubic yard.....
3. For coffer dam with masonry, per cubic yard.....
4. For excavation for land piers, including sheeting, per cubic yard.....
5. For all piling, per pile 40 feet, as cut off and under.....
6. For all piling, per pile 40 feet to 60 feet, as cut off.....
7. For all timber in grillages with iron, per M. B. M.....
8. For crib fenders, per cubic foot.....
9. For all fender planking and bracing, with iron, per M. B. M.....
10. For all masonry, Piers 1 and 3, above low water, per cubic yard.....
11. For all masonry, Pier 2, above mean low water, per cubic yard.....
12. For all masonry of land, Piers 4, 5, 6, 7, per cubic yard.....
13. For all end pedestals and newells above coping, land piers, per cubic foot.....
14. For all exposed dressed masonry surfaces, copings, mouldings, etc., per square foot.....
15. For Watchmen's houses, Piers 1 and 3, complete, each.....
16. For all steel and iron in draw span, per pound.....
17. For all steel and iron in turn table, per pound.....
18. For all steel and iron in fixed spans, per pound.....
19. For all ornamental work, as specified for draw span, complete.....
20. For draw-bridge machinery and fixtures, complete.....
21. For building and fitting up engine-room with fixtures, complete.....
22. For railing, newells, rail box, cornice for draw span, per linear foot.....
23. For railing, newells, rail box, cornice for fixed spans, per linear foot.....
24. For single light lamps, with supports, draw span, each.....
25. For cluster lamps and posts, fixed spans, each.....
26. For asphalt sidewalk, per square yard.....
27. For asphalt roadway, per square yard.....
28. For cast-iron gratings, draw span, per pound.....
29. For gas-pipe main, with tank, branches, etc., per linear foot.....
30. For an extra coat of paint, if ordered, lump sum.....
31. For removing present bridge and maintaining travel, lump sum.....

Which prices are to include and cover the furnishing of all the materials and the performance of all the labor requisite or proper for the purpose, and the completing of all the above-mentioned work of the materials and in the manner set forth, described and shown in the specifications and on the plans for the work, and in the form of contract approved by the Counsel to the Corporation.

The time allowed to complete the whole work will be Five Hundred working days, as provided in paragraph F of the agreement.

The amount of security required is Three Hundred Thousand Dollars.

Bidders must satisfy themselves by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the nature and extent of the work, and shall not, any time after the submission of an estimate, dispute or complain of such statement, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

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. When more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract over and above all his debts of every nature, and over and above his liabilities, as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 27 of chapter 8 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

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

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

N. B.—The price must be written in the estimate and also stated in figures, and all estimates will be considered as informal which do not contain bids for all items for which bids are herein called, or which contain bids for items for which bids are not herewith called for. Permission will not be given for the withdrawal of any bid or estimate. No bid will be accepted from or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

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

Commissioners of the Department of Public Parks.

DEPARTMENT OF PUBLIC PARKS,
NOS. 49 AND 51 CHAMBERS STREET,
NEW YORK, September 3, 1891.

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 Department of Public Parks at its offices, Nos. 49 and 51 Chambers street, until eleven o'clock A. M. on Wednesday, September 23, 1891:

No. 1. FOR ALTERATION OF THE ROADS, WALKS AND OTHER IMPROVEMENTS REQUIRED IN CONNECTION WITH THE ERECTION OF THE WASHINGTON MEMORIAL ARCH IN WASHINGTON SQUARE.

No. 2. FOR PAVING WITH ROCK ASPHALTE OR COMPRESSED ASPHALT TILES, CERTAIN WALKS IN THE RIVERSIDE PARK, BETWEEN SEVENTY-SECOND AND SEVENTY-NINTH STREETS.

Special notice is given that the works must be bid for separately.

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

- NUMBER 1, ABOVE MENTIONED.
- 1,140 square yards old pavement to relay.
 - 860 square yards new granite-block pavement to furnish and lay.
 - 60 square feet old bridge-stones to relay.
 - 828 square feet new bridge-stones to furnish and lay.
 - 150 linear feet old curb-stones to reset.
 - 101 linear feet six-inch new blue-stone curb, straight on face, to furnish and set.
 - 247 linear feet six-inch new blue-stone curb, curved on face, including circular corners, to furnish and set.
 - 1 receiving-basin to be rebuilt.
 - 20 linear feet twelve-inch vitrified stoneware pipe in culvert, to furnish and lay.
 - 6,000 square feet rock asphalt pavement, with rubble-stone foundation for walks, to furnish and lay.
 - 225 linear feet old blue-stone edging for walks to reset.
 - 155 linear feet fourteen-inch new blue-stone edging, two inches thick, curved on face, to furnish and set.

The time allowed for the completion of the whole work will be FIFTY CONSECUTIVE WORKING DAYS.

The time so allowed refers to consecutive working days and not to the aggregate time of such Inspectors as may be appointed on the work, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at TWENTY DOLLARS per day.

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

NUMBER 2, ABOVE MENTIONED.

33,000 square feet of pavement.

The time allowed to complete the whole work will be THIRTY-THREE DAYS, and the damages to be paid by the contractor for non-completion will be fixed at FOUR DOLLARS per day.

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

Bidders will be required to complete the entire works to the satisfaction of the Department of Public Parks, and in substantial accordance with the specifications for the works and the plans therein referred to. No extra compensation beyond the amount payable for the several classes of work before enumerated which shall be actually performed, at the prices therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

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 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 proposals and forms of the several contracts 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 STREET CLEANING.

DEPARTMENT OF STREET CLEANING,
CITY OF NEW YORK,
STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, September 2, 1891.

TO CONTRACTORS.

PROPOSALS FOR ESTIMATES FOR BUILDING SEVENTY-FIVE DUMPING CARTS.

PROPOSALS FOR ESTIMATES FOR BUILDING Seventy-five Dumping Carts will be received by the Commissioner of Street Cleaning, at his office, No. 280 Broadway, Stewart Building, until 12 o'clock M., of the 14th day of September, 1891, at which time and place they will be publicly opened and read by said Commissioner.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the head of said Department of Street Cleaning, indorsed "Estimate for Building Seventy-five Dumping Carts," and also with the name of the person or persons presenting the same, and the date of its presentation.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract, by his or their bond, with two sufficient sureties, each in the penal sum of FIVE THOUSAND DOLLARS.

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

1. Bidders must satisfy themselves, by personal examination as to the accuracy of the estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

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

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

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

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

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

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

stated in the proposals, 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 law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

No estimate will be received or considered unless accompanied by either a certified check upon one of the National banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned by the Comptroller 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 by the Comptroller.

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

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

The Commissioner of Street Cleaning reserves the right to reject all bids received for any particular work, if he deems it for the best interest of the City.

Plans may be examined, and specifications and blank forms for bids or estimates obtained by application to the Chief Clerk, at the offices of the Department, No. 280 Broadway, New York.

WILLIAM S. DALTON,
Deputy and Acting Commissioner 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.

HANS S. BEATTIE,
Commissioner of Street Cleaning.

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

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, September 4, 1891.

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 Thursday, September 17, 1891, at which place and hour they will be publicly opened.

No. 1. FOR READJUSTING CURB-STONE AND LAYING CROSSEWALKS IN AND PAVING WITH TRAP-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND FIFTY-THIRD STREET, between Third and Courtlandt avenues.

No. 2. FOR CONSTRUCTING SEWER AND APURTENANCES IN WALES AVENUE, from summit south of One Hundred and Forty-ninth to Kelly street, and in Kelly street easterly to existing sewer.

No. 3. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSSEWALKS IN ONE HUNDRED AND SEVENTY-THIRD STREET, between Third avenue and Vanderbilt avenue, East.

No. 4. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSSEWALKS IN ONE HUNDRED AND SIXTY-THIRD STREET, between Brook and Third avenues.

No. 5. FOR REGULATING, PAVING WITH TRAP-BLOCK PAVEMENT AND LAYING CROSSEWALKS ON ONE HUNDRED AND THIRTY-FOURTH STREET, from the easterly crosswalk of Brook avenue to the westerly crosswalk of the Southern Boulevard.

No. 6. FOR REGULATING AND PAVING WITH TRAP-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND THIRTY-FIFTH STREET, AND LAYING CROSSEWALKS, between the easterly crosswalk of Brook avenue and the westerly crosswalk of Cypress avenue.

No. 7. FOR REGULATING, GRADING, SETTING CURB-STONES, FLAGGING THE SIDEWALKS AND LAYING CROSSEWALKS IN AND PAVING WITH GRANITE-BLOCK PAVEMENT THE ROADWAY OF ONE HUNDRED AND FORTY-THIRD STREET, between Third avenue and One Hundred and Forty-fourth street.

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

Each 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.

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 CEDAR AVENUE (although not yet named by proper authority), extending from the westerly line of Sedgwick avenue, opposite to the junction of Burnside and Sedgwick avenues, to Fordham 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 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, in said city, on or before the 8th day of October, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 8th day of October, 1891, 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 10th day of October, 1891.

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 southern line of Fordham road, easterly (1) by the centre line of the block bounded by Cedar avenue, Cammann street and Fordham road, prolonged to the centre line of a certain unnamed street south of Cammann street; thence easterly along said centre line to the centre line of the block south of said unnamed street and between Cedar avenue and Sedgwick avenue; (2) by this last-mentioned centre line to the southern boundary line of the same block; thence westerly along said southern boundary line to the eastern line of Cedar avenue; (3) by the said eastern line of Cedar avenue to the southern line of the street south of the park, between Cedar avenue and Sedgwick avenue; thence southerly along said southern line to the centre line of the block south of same park; (4) by the last-mentioned centre line to about the central point of said block; thence easterly along a line drawn from this point to the western line of Sedgwick avenue; (5) by the western line of Sedgwick avenue to the southern limit of Cedar avenue; southerly (1) by the said southern limit of Cedar avenue prolonged to the centre line of Riverview Terrace; thence northerly along the said centre line to the easterly prolongation of the centre line of the block between Powell place and a certain unnamed street to the north thereof; (2) by the said prolongation line to the centre line of the block between Cedar avenue and a certain unnamed street or avenue to the west thereof; westerly, by the centre line of the block between Cedar avenue and a certain unnamed street or avenue to the west thereof and by the centre line of the blocks between Cedar avenue and Harlem River Terrace; 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 22d day of October, 1891, 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 27, 1891.
LEWIS J. CONLAN, Chairman,
THOMAS DUNLAP,
LEICESTER HOLME,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND THIRTY-SEVENTH STREET (although not yet named by proper authority), extending from the westerly line of Locust avenue to the easterly line of the Southern Boulevard, 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.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court-house, in the City of New York, on Friday, the 18th day of September, 1891, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of a certain street or avenue known as East One Hundred and Thirty-seventh street, extending from the westerly line of Locust avenue to the easterly line of the Southern Boulevard, in the Twenty-third Ward, in 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, being the following-described lots, pieces or parcels of land, viz.:

PARCEL A.
Beginning at a point in the eastern line of Walnut avenue, distant 203.85 feet southerly from the intersection of the southern line of East One Hundred and Thirty-eighth street with the eastern line of Walnut avenue;
1st. Thence southerly along the eastern line of Walnut avenue for 60 feet;
2d. Thence easterly, deflecting 99° to the left, for 350.0 feet, to the western line of Locust avenue;
3d. Thence northerly along the western line of Locust avenue for 60 feet;
4th. Thence westerly for 350 feet to the point of beginning.

PARCEL B.
Beginning at a point in the eastern line of Southern Boulevard, distant 231.4 feet southwesterly from the intersection of the southern line of East One Hundred and Thirty-eighth street with the eastern line of the Southern Boulevard;
1st. Thence southwesterly along the eastern line of Southern Boulevard for 60.11 feet;
2d. Thence easterly, deflecting 120° 02' 30" to the left for 925.30 feet;
3d. Thence easterly, deflecting 8° 22' 53" to the right for 409.55 feet to the western line of Walnut avenue;
4th. Thence northerly, along the western line of Walnut avenue for 60 feet;
5th. Thence westerly, deflecting 90° to the left for 413.91 feet;
6th. Thence westerly for 894.90 feet to the point of beginning.
East One Hundred and Thirty-seventh street, from Locust avenue to Southern Boulevard, is designated a street of the first-class and is 60 feet wide.
And as shown on certain maps filed by the Commissioners of the Department of Public Parks in the office of the Register of the City and County of New York, in the office of the Secretary of State of the State of New York, and in the office of the Department of Public Parks.

Dated NEW YORK, August 18, 1891.
WM. 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 CAMMANN STREET (although not yet named by proper authority), extending from Fordham road to the Harlem River Terrace, 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.

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 26th day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 26th day of September, 1891, 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 twenty-eighth day of September, 1891.

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 Cammann street and Fordham road and the northwesterly prolongation of the southerly side of Fordham road; easterly by the centre line of the block between Cammann street and Sedgwick avenue to its intersection with the centre line of the block between Cammann street and a certain unnamed street to the south thereof; thence westerly along the last mentioned centre line to the centre line of Cedar avenue; thence southerly along the centre line of Cedar avenue to the centre line of the block bounded by Cammann street, Cedar avenue and Harlem River Terrace; southerly by the said centre line at the block bounded by Cammann street, Cedar avenue and Harlem River Terrace; westerly by the easterly side of Harlem River Terrace; excepting from said area all the streets, avenues, 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 ninth day of October, 1891, 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 15, 1891.
THOMAS E. GRACE, Chairman,
JOSEPH H. STINER,
THOMAS P. FITZSIMONS,
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 HARLEM RIVER TERRACE (although not yet named by proper authority), extending from Cedar avenue to Fordham 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 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 twenty-sixth day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said twenty-sixth day of September, 1891, and for that purpose will be in attendance at our said office on each of said ten days at 2 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the twenty-eighth day of September, 1891.

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 southerly side of Fordham road; easterly by the centre line of the blocks between Harlem River Terrace and Cedar avenue; southerly by the westerly prolongation of the northerly line of Cedar avenue to the centre line of the block between Harlem River Terrace and a certain unnamed street to the west of Harlem River Terrace; westerly by the said centre line of the blocks between Harlem River Terrace and a certain unnamed street to the west of Harlem River Terrace, 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 ninth day of October, 1891, 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 15, 1891.
JOHN D. NEWMAN, Chairman,
CHARLES E. SIMMS, Jr.,
SIDNEY HARRIS,
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 DECATUR AVENUE (although not yet named by proper authority), extending from Brookline street to Moshulu Parkway, 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.

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 12th day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 12th day of September, 1891, 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 14th day of September, 1891.

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 southerly line of Moshulu Parkway; easterly by the westerly line of Webster avenue; southerly by the centre line of the block between Brookline street and Kingsbridge road, and Marion avenue and Webster avenue; westerly by the easterly line of Marion avenue; 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 30th day of September, 1891, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, July 23, 1891.
WILLIAM E. STILLINGS, Chairman,
GILBERT M. SPIER, Jr.,
Commissioners.

MATHEW P. RYAN, 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 FOREST AVENUE, extending from the southerly side of Home street to the northerly side of East One Hundred and Sixty-eighth street, 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, in said city, on or before the first day of September, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said first day of September, 1891, 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 second day of September, 1891.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which, taken together, are bounded and described as follows, viz.: Beginning at the point of intersection of the easterly side of Boston road and the centre line of the block between East One Hundred and Sixty-eighth and East One Hundred and Sixty-ninth streets; running thence easterly along the centre line of the blocks between East One Hundred and Sixty-eighth and East One Hundred and Sixty-ninth streets to the centre line of the blocks between Tinton and Union avenues; thence southerly along said centre line of the blocks between Tinton and Union avenues to the centre line of the blocks between Home and George streets; thence westerly along the centre line of the blocks between Home and George streets to the centre line of the blocks between Forest and Tinton avenues; thence southerly along the centre line of the blocks between Forest and Tinton avenues to the centre line of the blocks between George and East One Hundred and Sixty-fifth streets; thence westerly along the centre line of the blocks between George and East One Hundred and Sixty-fifth streets to the centre line of the blocks between Forest and Jackson avenues; thence northerly along the centre line of the blocks between Forest and Jackson avenues to the centre line of the block between George and Home streets; thence westerly along the last mentioned centre line to the centre line of Jackson avenue; thence northerly along the centre line of Jackson avenue to the easterly side of Boston road; thence northeasterly along the easterly side of Boston road to the point or place of beginning; 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 fifteenth day of September, 1891, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, July 23, 1891.
JAMES MITCHELL, Chairman,
JOHN H. ROGAN,
LEICESTER HOLME,
Commissioners.

JOHN P. DUNN, Clerk.

AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 209, STEWART BUILDING, NO. 280 BROADWAY,
NEW YORK, September 4, 1891.

TO CONTRACTORS.

BIDS OR PROPOSALS FOR GRADING, IMPROVING AND FENCING THE GROUNDS AT SEVERAL OF THE shafts of the New Croton Aqueduct; also for grading, improving and fencing the grounds of the One Hundred and Thirty-fifth Street Gate-house of the New Croton Aqueduct, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, will be received at this office until 3 o'clock P. M. on Wednesday, September 23, 1891, at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the award for doing said work will be made by said Commissioners as soon thereafter as possible.

Blank forms of contract and specifications for doing said work, and bids or proposals, and proper envelopes for their inclosure, 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.
JOHN C. SHEEHAN,
Secretary.

NEW AQUEDUCT.

NEW AQUEDUCT, RESERVOIR D.

SUPREME COURT—SECOND JUDICIAL DISTRICT.

In the matter of the petition of Thomas F. Gilroy, Commissioner of Public Works of the City of New York, under and in pursuance of chapter 490 of the Laws of 1883 and chapter 195 of the Laws of 1887, and on behalf of the Mayor, Aldermen and Commonality of the City of New York, for the appointment of Commissioners of Appraisal under the acts.

To all persons interested in this proceeding:

NOTICE IS HEREBY GIVEN THAT THE REPORT of the above-mentioned Commissioners of Appraisal, appointed herein on July 19, 1890, which report was filed in the office of the Clerk of Westchester County, at the Court-house in the Village of White Plains, in said County, on July 27, 1891, and a copy of which was filed in the office of the Clerk of Putnam County, at his office in the Village of Carmel, in said County, on July 27, 1891, will be presented for confirmation to the Supreme Court, at a Special Term thereof, to be held in the Second Judicial District, at the Court-house, in the City of Poughkeepsie, Dutchess County, on September 19, 1891, at 11 o'clock in the forenoon.

Dated NEW YORK, August 20, 1891.
WILLIAM H. CLARK,
Counsel to the Corporation,
No. 2 Tryon Row, New York City.

THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY! Sundays and legal holidays other than the general election day excepted, at No. 2 City Hall, New York City. Price, single copy, 3 cents; annual subscription \$9.30.

W. J. K. KENNY,
Supervisor.