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DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending September 30, 1890.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, October 23, 1890.

Hon. HUGH J. GRANT, Mayor:

SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to submit the following report of the transactions of the Department of Public Works for the quarter ending September 30, 1890:

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation	\$884,995 07
On account of Local Improvement Fund for Street Improvements	397,896 72
On account of Funded Debt, for improvement and extension of water supply	46,801 21
On account of Special Fund, for restoring pavements over street openings	10,102 12
On account of Revenue Bonds, for furnishing and setting water-meters	3,070 69
On account of Criminal Court-house Fund	61,886 00
On account of Fund for One Hundred and Fifty-fifth Street Viaduct	14,350 25
On account of Repavement Fund (chapter 346, Laws of 1889)	510,498 07
Total	\$1,929,600 13

EXPENDITURES FOR NINE MONTHS ENDING SEPTEMBER 30, 1890.

Appropriation Account	\$1,926,969 15
Local Improvement Fund	899,126 35
Funded Debt, water supply	150,638 35
Special Fund, restoring pavements	26,779 12
Revenue Bonds, water-meters	12,301 29
Criminal Court-house Fund	93,801 50
Fund for One Hundred and Fifty-fifth Street Viaduct	15,225 25
Repavement Fund (chapter 346, Laws of 1889)	675,187 58
Total	\$3,800,028 59

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

20 sewer contracts, estimated cost	\$84,067 55
23 regulating and grading contracts, estimated cost	62,005 89
30 paving contracts, estimated cost	240,708 55
6 repaving contracts, estimated cost	332,902 80
1 contract for One Hundred and Fifty-fifth Street Viaduct, estimated cost	514,423 00
6 miscellaneous contracts, estimated cost	24,016 00
17 contracts under \$1,000 each	5,163 57
105 contracts, total estimated cost	\$1,270,790 46

Contracts Completed during the Quarter.

11 sewer contracts, cost	\$50,776 76
29 regulating and grading contracts, cost	88,327 87
23 paving contracts, cost	183,672 89
17 repaving contracts, cost	364,287 68
2 contracts for laying water-mains	71,420 03
6 miscellaneous contracts	66,244 26
27 contracts, under \$1,000 each	7,110 74
115 contracts, total cost	\$831,840 23

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

The rainfall at the several stations where rain-gauges are kept by the Department has been fully equal to the average for past years, and was as follows:

LOCATION.	JULY. INCHES.	AUGUST. INCHES.	SEPTEMBER. INCHES.	TOTAL INCHES.
Boyd's Corners Reservoir	5.46	4.70	6.86	17.02
South East Reservoir	5.08	3.91	7.32	16.31
Kensico Reservoir	4.75	3.61	5.08	13.44
Croton Dam	4.64	4.41	4.58	13.63
Central Park Reservoir	4.14	4.46	4.28	12.88

To obtain the additional supply received through the New Aqueduct since July 15 it was necessary to draw upon the storage reservoirs and lakes in the Croton water-shed, as follows:

Boyd's Corners Reservoir	780,000,000 gallons.
South East Reservoir	550,000,000 "
Lake Kirk	500,000,000 "
Barrett Pond	90,000,000 "
Total	1,920,000,000 gallons.

The supply from the New Aqueduct was interrupted from August 6 to 25, for the purpose of making needed repairs to the structure, and it will again have to be shut off at least twice before the permanent additional supply is assured. In the meantime the pressure in the water-mains has been increased so as to deliver water at an increase of from 20 to 25 feet of elevation throughout the city, except in the high service district, where the elevation at which water is delivered will also be increased as soon as the new pumping engine is brought into use at the Ninety-eighth street pumping station.

In extending and improving the water service there were laid during the quarter—

48-inch pipe	650 lineal feet.
36-inch pipe	4,000 "
20-inch pipe	1,350 "
12-inch pipe	4,577 "
6-inch pipe	16,584 "
Total	27,161 lineal feet.

In connection with the laying of these water-mains 51 additional stop-cocks and 43 additional fire-hydrants were placed.

The Bronx river conduit has furnished an uninterrupted daily supply of 16,000,000 gallons during the quarter, and for this supply 1,240,000,000 gallons of water was drawn from the Kensico Reservoir and the Rye Ponds Reservoir.

The work on the conduit and reservoir for the supply from the Byram river is still delayed on account of delays in obtaining the necessary lands on Bear Gutter Creek, the matter being now in the hands of the Commissioners of Appraisal.

The work on the contract for excavating the north division of the Old Central Park Reservoir has also been delayed on account of the repaving and laying of rail tracks in the Eighty-sixth street Transverse Road, but is now progressing satisfactorily.

Satisfactory progress has been made on the contract for grading the City property over the Aqueduct pipes between Ninetieth and Ninety-first streets, and the work is nearly completed.

In extending the water-meter system 537 additional water-meters were placed during the quarter, making 21,590 water-meters now in use.

The lowering of the tracks of the New York and Harlem Railroad, north of the Harlem river, has rendered a large amount of work necessary in rearranging the water-mains, and has caused occasional interference with the water supply in the Twenty-third and Twenty-fourth Wards.

The contract for the viaduct on One Hundred and Fifty-fifth street, from St. Nicholas place to McComb's Dam Bridge, has been executed and the work is progressing satisfactorily.

BUREAU OF WATER PURVEYOR.

The work of laying new pavements on up-town streets, and replacing old and worn out pavements on other streets, far exceeds the amount of work done in any preceding year.

The area of new pavements laid during the quarter is as follows:

Assessment Work—	
Granite blocks	43,940 square yards.
Asphalt pavement	21,424 "
Assessment Work within the limits of Land Grants—	
Granite blocks	21,632 "
Trap blocks	889 "
Repavements under the Annual Appropriation—	
Granite blocks	42,645 "
Asphalt pavement	30,380 "
Repavements under Chapter 346, Laws of 1889—	
Granite blocks	95,064 "
Asphalt pavement	206,654 "
Total	462,628 square yards.

The work of repaving Broadway, from Bowling Green to Thirty-second street, and Park Row, from Frankfort street to and including Chatham Square, have been held in abeyance awaiting the construction of the cable railways on these streets, and several other large repavement works have been delayed awaiting the action of railroad companies to adjust their rail tracks to the proper lines and grades, and to make provision for the performance or payment of their share of the repavement work.

The many applications which are received from residents and property-owners for the repavement of streets with asphalt are evidence that the asphalt pavement meets with public favor, at least for purely residential streets, and for streets fronting on institutions such as public schools, hospitals, asylums, etc. The competition for the contracts for asphalt pavements has been considerably widened within the past eighteen months, and the prices bid for the contracts have been correspondingly reduced.

The following is the present area of pavements in the City exclusive of the Twenty-third and Twenty-fourth Wards, where the streets are under the charge of the Department of Public Parks:

Specification granite	2,429,093.26 square yards.
Square granite blocks	671,761.00 "
Specification trap-blocks	1,227,111.82 "
Square trap-blocks	2,750,791.71 "
Cobble pavement	79,599.45 "
Asphalt pavement	329,658.93 "
Wood pavement	516.00 "
Macadam pavement	855,354.00 "
Total	8,343,886.17 square yards.

Total length of paved streets, 361.19 miles.

The extent of the operations of private corporations and individuals in excavating the public streets is shown by the following summary :

- 7,037 excavations made to lay and repair mains and make house-connections with gas-pipes, steam-pipes, electric subways, etc.
- 1,271 notices served on corporations and individuals to repair defective pavements over their excavations.
- 1,133 defects in pavement repaired in compliance with such notices.
- 14.4 miles of gas-mains laid.
- 18.26 miles of electric subways built.
- 774 lineal feet salt water-mains laid.
- 878 lineal feet refrigerating pipes laid.
- 5,498 lineal feet double rail-tracks laid.

In the general repairs of pavements an average force of 222 pavers and rammers, 284 laborers, 78 carts and 5 teams has been employed. Out of the 77 working days 20 were rainy days, when no pavement work could be done. The repair force took up and relaid 136,171 square yards of pavement, at an average cost of 66 cents per square yard.

In the repairs of the water-mains, stop-cocks and fire-hydrants, an average force of 29 mechanics, 95 laborers and 15 carts has been employed, and 146 old fire-hydrants have been replaced with new ones and 7 additional fire-hydrants placed.

The repairs and maintenance of the public drinking-hydrants have received due attention, 46 drinking-hydrants having been repaired during the quarter.

OFFICE OF ENGINEER IN CHARGE OF SEWERS.

During the quarter 15 contracts for the construction of sewers and receiving-basins were completed, and 1,893 lineal feet of new sewers and 6 receiving-basins were built, making the present extent of the sewerage system on Manhattan Island 436.58 miles of sewers, with 5,229 receiving-basins.

The principal improvements completed during the quarter are—

- Sewer in Washington street, between Beach and North Moore streets.
- Sewer in Twelfth avenue, between Thirty-ninth and Fortieth streets, etc.
- Extension of sewer outlet in Eleventh street, at East river.
- Sewer in One Hundredth street, between Fourth and Madison avenues.
- Sewer in One Hundred and Forty-third street, between Eighth and Bradhurst avenues.
- Sewer in Seventy-eighth street, between the Boulevard and West End avenue.

At the close of the quarter work was in progress on the construction of 33 new sewers and three contracts for repairs of sewers.

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

- 1,337 receiving-basins and culverts cleaned.
- 17,696 lineal feet of sewers cleaned.
- 92,909 lineal feet of sewers examined.
- 250 lineal feet of brick sewer repaired.
- 80 lineal feet of sewers rebuilt.
- 159 lineal feet of new culvert pipe laid.
- 2 new receiving-basins built.
- 15 receiving-basins repaired.
- 1 new manhole built.
- 57 new manhole-heads and 73 new manhole-covers placed.
- 22 new basin-covers placed.
- 22,346 cubic yards of earth excavated and refilled.
- 3,829 cart-loads of sewer deposit removed.

Average cost per lineal foot of cleaning sewers : In 1887, 23 cents ; 1888, 31 cents ; 1889, 19 cents, and 1890, 15½ cents.

BUREAU OF STREET IMPROVEMENTS.

During the quarter 5 regulating and grading contracts, 42 contracts for flagging and reflagging sidewalks, and 3 contracts for fencing vacant lots were completed, and at the close of the quarter work was in progress on 25 contracts.

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

- 5,498 cubic yards of earth excavated.
- 16,884 cubic yards of rock excavated.
- 63,429 cubic yards of filling placed in embankments.
- 19,571 lineal feet of curb-stones set.
- 10,835 lineal feet of curb-stones reset.
- 210,183 square feet of flagging laid.
- 58,081 square feet of flagging relaid.
- 1,241 lineal feet of picket fence built.

BUREAU OF STREETS AND ROADS.

In the care and maintenance of the macadam roadways the following work was done during the quarter :

- 53,574 square yards of roadway resurfaced and repaired.
- 358 square yards of gravel roadway repaired.
- 420 square yards of gutters repaved.
- 652 square feet of flagging relaid.
- 810 truck loads of broken stone furnished and used.
- 436 truck loads of trap-rock screenings furnished and used.
- 310 truck loads of gravel furnished and used.
- 170 truck loads of sand furnished and used.
- 3,239 truck loads of dirt removed from the roadways.

The heavy wagon traffic in the transportation of building materials over the macadam roadways calls for a continuous care and attention to keep them in fair condition, and as private improvements are progressing in the upper part of the city these roadways should be gradually replaced by more substantial pavements.

In the repairs of unpaved streets and roads, which are also under the charge of this Bureau, the following work was done :

- 666 square yards of roadways macadamized.
- 7 miles of roadways reggraded and cleaned.
- 1,016 square yards of roadway surfaced with rubble and clay.
- 1,223 truck loads of earth furnished and used.
- 1,165 truck loads of stone furnished and used.

The principal roads and unpaved streets which are used for public travel are sprinkled whenever necessary.

BUREAU OF LAMPS AND GAS.

In the lighting of the public streets and places the following changes and additions were made during the quarter :

- 163 new gas-lamps placed and lighted.
- 110 old gas-lamps relighted.
- 9 electric-lamps relighted.
- 145 gas-lamps discontinued.

At the close of the quarter there were 26,981 gas-lamps, 881 electric-lights, and 138 naphtha-lamps in use on the streets, avenues, roads, parks, docks and bridges of the city.

BUREAU OF REPAIRS AND SUPPLIES.

The report of the Superintendent of Repairs and Supplies, Document K, hereto annexed, states in detail the repairs, alterations and improvements made in the various public buildings and offices under the charge of this Department, of which I mention the following :

County Court-house.

Painting and calcimining the rooms occupied by the Supreme Court, and furnishing new carpets and linoleum. Furnishing new carpets in rooms of the Superior Court. Repairing steam apparatus.

City Hall.

Repairing and painting the north front of the building ; repairing the marble tiling in the corridor ; painting, calcimining and furnishing new carpets in rooms occupied by the City Court ; repairing, renewing and painting leaders and gutters.

Brown Stone Court-house.

Repairing and painting the roof and gutters ; placing a new engine for the operation of the passenger elevator.

Public Markets.

Repairing the roof of Washington Market ; making a contract for repairing the damage caused by fire in the new West Washington Market, the work being now in progress ; repairing the flooring and roof of Fulton Market, and preparing specifications for the contract for work required to repair the damage done by the recent fire ; securing the cornice on the second story of Tompkins Market, which was in dangerous condition.

Armory Buildings.

Repairing the rifle ranges in the Seventh Regiment Armory ; repairing the boilers and heating apparatus in the Eighth Regiment Armory ; preparing contract and specifications for repairs to the roof of the Twelfth Regiment Armory.

Civil and Police Courts.

Repairing the roof and gutters over the portion of the Tombs Building occupied by the Court of Special Sessions ; repairing the furnace and heating apparatus of the Third District Police Court Building ; placing the roofs and heating apparatus in other court buildings in proper condition for the ensuing winter season.

New Criminal Court Building.

The work on the construction of this building is progressing satisfactorily ; the exterior walls and most of the interior walls are built up to the level of the sidewalks ; in the course of this work 34,000 cubic yards of earth have been excavated ; 3,951 piles driven ; 1,400 cubic yards of concrete laid ; 11,900 cubic feet of granite masonry built and 2,242,000 bricks laid.

Free Floating Baths.

The 15 free floating baths were placed in their respective berths and opened to the public, beginning June 1, including the new bath which was specially built to adapt it in form to the narrow slip at the foot of Market street. The usefulness of this bath is shown by the large attendance which included 261,500 males, and 179,000 females up to the close of the season. The total attendance at all the public baths for the season up to the close of the quarter is 2,344,609 males and 1,069,005 females.

This is a considerable increase over previous bathing seasons, the increase being principally in the attendance of women and children.

The baths were closed on September 30, and arrangements are now being made for their safe storage during the winter season.

BUREAU OF INCUMBRANCES.

The following is a summary of the operations of this Bureau for the quarter :

- 1,185 complaints of obstructions received and attended to.
- 972 seizures and removals of obstructions made.
- 2,186 permits issued to place building material on streets.
- 7 permits issued to cut down shade-trees.
- 272 miscellaneous permits issued.
- 276 notices issued to repair defective sidewalks.
- 10 notices issued to repair defective vault covers.
- 75 dangerous shade-trees and stumps removed by the Bureau.
- 279 telegraph poles removed.
- 5,807,300 lineal feet of electric wires removed.

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	\$1,248,111 77
For penalties on water rents	2,536 25
For permits to tap water pipes	3,321 00
Total	\$1,253,969 02

MISCELLANEOUS REVENUE.

For sewer permits	\$8,129 20
For vault permits	37,711 97
For redemption of street obstructions	371 95
For property sold at auction	1,815 01
For work and material furnished citizens	226 58
For restoration of pavements over street openings	8,345 50
For furnishing and setting water-meters	2,211 03
Total	\$58,811 24

For further detailed information in reference to the transactions of the Department, I beg to refer to the following documents hereto appended :

- Document A—Statement of appropriations and expenditures.
- Document B—Detailed statement of expenditures.
- Document C—Detailed statement of contracts.
- Document D—Report of Chief Engineer of the Croton Aqueduct.
- Document E—Report of the Water Purveyor.
- Document F—Report of 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; Balances of 1889 on July 1, 1890; Requisitions on 1889 in Third Quarter of 1890; Balances of 1889 on October 1, 1890; Appropriations with Transfers of 1890; Requisitions First Quarter of 1890; Requisitions Second Quarter of 1890; Requisitions Third Quarter of 1890; Balances on October 1, 1890; the Titles and Expenditures on Trust and Special Accounts, and Receipts for Revenue for the First Six Months of 1890, and those for the Third Quarter, 1890.

TITLES OF APPROPRIATIONS.	BALANCES OF 1889, ON JULY 1, 1890.	REQUISITIONS ON 1889, IN THIRD QUARTER, 1890.	BALANCES OF 1889, ON OCTOBER 1, 1890.	APPROPRIATIONS WITH TRANSFERS FOR 1890.	REQUISITIONS, FIRST QUARTER, 1890.	REQUISITIONS, SECOND QUARTER, 1890.	REQUISITIONS, THIRD QUARTER, 1890.	BALANCES ON OCTOBER 1, 1890.
Aqueduct—Repairs, Maintenance and Strengthening.....	\$9,689 29	\$2,733 50	\$6,955 79	.....	.....	.....	.....	.....
Care, Maintenance and Repairs.....	.....	.....	.....	\$175,000 00	\$18,444 09	\$29,175 75	\$49,532 24	\$78,015 54
Completing the Excavation in the Old Central Park Reservoir.....	.....	.....	.....	150,000 00	.....	2,025 00	4,977 00	142,998 00
Building New Gate-house and Removing the Old Gate-house.....	.....	.....	.....	24,000 00	.....	.....	.....	24,000 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	834 60	.....	834 60	27,000 00	5,895 53	6,520 18	6,632 84	7,951 45
Boring Examinations for Grading and Sewer Contracts.....	50	.....	50	3,600 00	793 50	1,659 05	747 50	399 95
Boulevards, Roads and Avenues, Maintenance of.....	108 04	.....	108 04	100,000 00	9,917 23	40,901 54	40,877 59	8,243 64
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	04	.....	04	2,500 00	6 14	624 99	624 99	625 03
Bronx River Works—Maintenance and Repairs.....	2,190 18	.....	2,190 18	25,000 00	8,211 00	6,227 11	5,508 44	5,053 45
Bronx River Works—Maintenance and Repairs—Salaries.....	233 33	.....	233 33	2,400 00	600 00	600 00	600 00	600 00
Construction of two New Baths, at Market and Fifty-ninth streets, East river.	10 00	.....	10 00	.....	.....	.....	.....	.....
Contingencies—Department of Public Works.....	68 74	.....	68 74	4,000 00	713 72	778 15	740 10	1,768 03
Flagging Sidewalks and Fencing Vacant Lots in Front of, etc.....	3,553 77	.....	3,553 77	3,000 00	.....	82 47	165 36	2,752 17
Free Floating Baths—Care and Maintenance.....	321 42	.....	321 42	22,000 00	642 50	7,300 57	2,116 36	11,940 57
Free Floating Baths—Salaries.....	3,644 50	.....	3,644 50	32,000 00	2,700 00	6,149 00	16,863 50	6,287 50
Lamps and Gas and Electric Lighting.....	3,736 54	.....	3,736 54	700,000 00	112,539 10	169,334 21	186,983 83	231,142 86
Lamps and Gas and Electric Lighting—Salaries.....	536 84	.....	536 84	6,500 00	1,581 94	1,624 95	1,624 95	1,618 16
Laying Croton Pipes.....	* 28,532 97	18,788 47	9,544 50	232,000 00	362 21	27,745 12	36,534 18	167,358 49
Laying Croton Pipes—Salaries.....	1,737 04	.....	1,737 04	18,000 00	4,373 52	4,168 00	4,269 00	5,189 50
Public Buildings—Construction and Repairs.....	† 1,098 35	.....	1,098 35	† 94,345 00	7,785 47	11,117 00	15,661 58	59,777 95
Public Drinking-hydrants.....	1,156 52	.....	1,156 52	3,000 00	.....	662 08	371 47	1,966 45
Public Drinking-hydrants—Salaries.....	.....	.....	.....	1,200 00	300 00	300 00	300 00	300 00
Removing Obstructions in Streets and Avenues.....	1,987 94	.....	1,987 94	40,000 00	9,034 05	10,703 64	9,863 14	10,399 17
Removing Obstructions in Streets and Avenues—Salaries.....	1,386 59	.....	1,386 59	7,800 00	1,725 00	1,855 65	1,953 00	2,239 35
Repairing and Renewal of Pipes, Stop cocks, etc.....	15,536 32	15,148 12	388 20	220,000 00	39,916 09	59,516 38	58,764 41	61,802 22
Repairs and Renewal of Pavements and Regrading.....	6,507 78	1,486 82	5,020 96	350,000 00	18,740 86	51,693 58	117,858 01	161,707 55
Repairs and Renewal of Pavements and Regrading—Salaries.....	86 62	.....	86 62	17,000 00	4,292 44	4,167 48	3,534 96	5,005 12
Repaving Streets and Avenues.....	193,065 71	102,956 67	\$ 88,749 89	40,000 00	.....	9,370 16	35,735 10	354,894 74
Repaving Streets and Avenues—Salaries.....	7,565 72	.....	7,565 72	13,000 00	1,170 60	1,667 25	3,609 25	6,553 50
Retaining-walls in East Fifty-first street and East Forty-second street.....	.....	.....	.....	15,000 00	.....	244 00	1,957 50	12,798 50
Roads, Streets and Avenues Unpaved—Maintenance and Sprinkling.....	178 08	.....	178 08	25,000 00	3,661 24	5,539 92	8,955 81	6,843 03
Salaries—Department of Public Works.....	10,925 47	.....	10,925 47	92,000 00	22,824 40	22,999 71	23,062 23	23,113 66
Salaries—Engineer, Clerks, etc.—Bureau of Water Register, etc.....	7,130 98	.....	7,130 98	52,000 00	12,102 87	12,422 26	11,883 35	15,591 52
Sewers—Repairing and Cleaning.....	5,419 27	2,494 57	3,014 70	160,000 00	17,467 40	37,491 00	43,004 23	62,037 37
Sewers—Repairing and Cleaning—Salaries.....	60 08	.....	60 08	10,000 00	2,469 98	2,509 98	2,469 98	2,550 06
Sewerage System—Salaries.....	4,109 05	.....	4,109 05	8,600 00	1,751 18	2,044 17	2,137 50	2,667 15
Street Improvements—For Surveying, Monumenting, etc.....	296 05	.....	296 05	3,000 00	566 00	653 00	570 00	1,211 00
Supplies for and Cleaning Public Offices.....	3,953 00	3,813 50	139 50	135,000 00	24,783 14	25,911 37	23,060 09	61,245 40
Supplies for and Cleaning Public Offices—Salaries.....	726 28	.....	726 28	18,920 00	4,054 88	4,866 17	4,330 99	4,767 99
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	1,408 51	.....	1,408 51	7,100 00	1,774 98	1,774 98	1,774 98	1,775 06
Supplying Water to Shipping and for Building Purposes—Salaries.....	65	.....	65	10,000 00	2,425 50	2,583 00	2,614 50	2,377 00
Water Supply for the Twenty-fourth Ward.....	* 1,628 31	.....	1,628 31	7,800 00	.....	1,814 23	1,010 99	4,974 78
Water Supply for the Twenty-fourth Ward—Salaries.....	.....	.....	.....	1,200 00	200 00	300 00	400 00	400 00
Wells and Pumps—Repairing and Cleaning.....	59 84	.....	59 84	250 00	.....	.....	.....	250 00
Totals.....	\$309,270 99	\$147,331 65	\$170,580 19	\$3,219,215 00	\$345,345 69	\$577,213 10	\$733,580 92	\$1,563,242 91
Repaving, chapter 346, Laws 1889.....	\$767,566 06	\$391,362 55	\$376,203 51	\$1,000,000 00	\$5,676 01	\$5,924 76	\$119,135 52	\$869,263 71

* Transferred from "Water Supply, Twenty-fourth Ward," to "Laying Croton Pipes," \$800.
† Credited by voucher returned of A. C. Chenoweth, \$167.62.

Requisitions drawn of 1888—Repaving Streets and Avenues, \$4,082.50.

† Transferred from "Public Buildings, etc., 1889," to "Public Buildings, etc., 1890," \$3,000.
‡ Credited by voucher withdrawn of William Kelly, \$8,640.85.

TITLES OF TRUST ACCOUNTS.	BALANCES FROM 1889 AND RECEIPTS OF FIRST AND SECOND QUARTERS, 1890.	RECEIPTS, THIRD QUARTER, 1890.	BALANCES AND RECEIPTS TO OCTOBER 1, 1890.	REQUISITIONS, FIRST QUARTER, 1890.	REQUISITIONS, SECOND QUARTER, 1890.	REQUISITIONS, THIRD QUARTER, 1890.	TOTAL REQUISITIONS TO OCTOBER 1, 1890.	BALANCES, OCTOBER 1, 1890.
Croton Water Fund.....	.....	.....	.....	\$60,915 46	\$42,021 68	\$46,801 21	\$150,638 35	.....
Fund for Local Improvements.....	.....	.....	.....	254,612 56	246,617 07	397,896 72	899,126 35	.....
Restoring and Repaving—Special Fund—Department of Public Works.....	\$27,019 10	\$8,345 50	\$35,364 60	9,093 00	7,584 00	10,102 12	26,779 12	\$8,885 48
Water-meter Fund, No. 2.....	28,911 05	2,211 03	31,122 08	4,555 12	4,073 48	3,070 69	12,301 29	18,820 79
Criminal Court-house Fund.....	.....	.....	.....	325 01	31,590 50	61,886 00	* 94,326 50	.....
Fund for Viaduct, from St. Nicholas place to McComb's Dam Bridge.....	.....	.....	.....	343 00	532 00	14,350 25	15,225 25	.....

* Includes expenditures of 1889, \$525.

Statement of General Bookkeeper, Department of Public Works, Showing all Revenues of the City Received through the Department during the First Three Quarters of 1890.

SOURCE OF REVENUE.	FIRST AND SECOND QUARTERS.	THIRD QUARTER.	TOTAL.	SOURCE OF REVENUE.	FIRST AND SECOND QUARTERS.	THIRD QUARTER.	TOTAL.
Water rents.....	\$1,042,324 71	\$1,248,111 77	\$2,290,436 48	Sales at auction.....	\$11,663 83	\$1,815 01	\$13,478 84
Water penalties.....	2,493 60	2,536 25	5,029 85	Work and material furnished citizens.....	5,690 62	326 58	6,017 20
Pipe tapping.....	7,107 50	3,321 00	10,428 50	Rent of farm, Lake Gilead.....	9 00	.....	9 00
Sewer permits.....	14,471 90	8,129 20	22,601 10	Totals.....	\$1,152,998 77	\$1,302,323 73	\$2,455,322 50
Vault permits.....	66,276 86	37,711 97	103,988 83				
Redemption of street obstructions.....	2,888 00	371 95	3,259 95				
Use of road roller and pipe storage.....	72 75	.....	72 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 September 30, 1890.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening—	
Blacksmithing.....	\$111 31
Brick, cement, etc.....	486 25
Coal.....	3,933 29
Improvements to Old Reservoir.....	11,880 00
Lumber, etc.....	476 27
Pay-rolls.....	33,395 44
Repairing engines, etc.....	1,809 92
Repairing wagon.....	106 50
Sundry supplies, tools, etc.....	1,370 91
Taxes.....	780 29
Traveling expenses.....	249 06
Total.....	\$54,509 24
Aqueduct, Repairs, Maintenance and Strengthening, 1889—	
Building Keepers' House.....	\$2,700 00
Traveling expenses.....	33 50
Total.....	\$2,733 50
Boring Examinations for Grading and Sewer Contracts—	
Pay-rolls.....	\$747 50
Boulevards, Roads and Avenues, Maintenance of—	
Broken-stone, etc.....	\$4,493 60
Horse hire.....	360 00
Pay-rolls.....	28,341 07
Resurfacing One Hundred and Sixteenth street.....	6,044 58
Rent of Yard.....	900 00
Repairing sprinklers and roller.....	416 11
Sundry supplies, tools, etc.....	288 48
Telephone service.....	33 75
Total.....	\$40,877 59

Bronx River Works—Maintenance and Repairs—	
Blacksmithing.....	\$141 97
Cart.....	34 75
Pay-rolls.....	4,848 00
Stone.....	250 00
Taxes.....	233 72
Total.....	\$5,508 44
Contingencies—Department of Public Works—	
Badges.....	\$32 50
Incidental expenses.....	300 00
Horse-hire.....	270 00
Postage.....	122 50
Traveling expenses.....	15 10
Total.....	\$740 10
Flagging Sidewalks and Fencing Vacant Lots, etc.—	
Pay-rolls.....	\$21 00
Repairing sidewalks and fencing.....	144 36
Total.....	\$165 36
Free Floating Baths—Care and Maintenance—	
Carpenter work.....	\$15 00
Pay-rolls.....	283 50
Resetting anchors.....	65 00
Sundry supplies, etc.....	137 08
Towing baths.....	757 00
Traveling expenses.....	74 38
Wharfage.....	784 40
Total.....	\$2,116 36
Lamps and Gas and Electric Lighting—	
Gas examinations.....	\$383 00
Horse-hire.....	380 00
Lamps and globes.....	4,459 42
Lamp-posts, etc.....	4,671 47

Lamps and Gas and Electric Lighting—

Lighting public offices	\$7,398 99
“ streets	168,241 54
Paint	11 16
Pay-rolls	791 00
Rent of Photometrical Rooms	240 00
Street signs	407 25
Total	\$186,983 83

Laying Croton Pipes—

Changing taps	\$95 75
Horse-hire	333 00
Laying mains	35,087 23
Lumber	468 64
Protecting gas-mains	284 09
Traveling expenses	265 47
Total	\$36,534 18

Laying Croton Pipes, 1889—

Laying mains	\$18,788 47
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Public Buildings—Construction and Repairs—

Armory, Seventh Regiment	\$65 00
“ Eighth “	99 99
“ Sixty-ninth “	128 92
“ Seventy-first “	139 09
Brown-stone Building	203 69
Bureau of Repairs and Supplies	695 84
Calvary Cemetery (Soldiers' Monument)	670 00
City Hall	363 19
City Prison	6 28
Cooper Union	20 00
County Jail	121 80
Court, First District Civil	7 71
“ Fifth “	9 70
“ Tenth “	8 60
“ First “ Police	95 00
Court-house, Third District	24 70
“ Seventh “	160 80
“ County “	3,990 09
Hall of Records	109 35
Market, Clinton	70 00
“ Essex	49 39
“ Fulton	1,031 29
“ Jefferson	149 94
“ Washington	205 00
“ West Washington	2,195 40
Nos. 8, 10 and 12 Chambers street	362 41
No. 31 Chambers street	510 46
No. 49 Beekman street	1 50
One Hundred and Fifty-second street and Tenth avenue	655 00
Stewart Building	282 53
Staats Zeitung Building	12 80
Pay-rolls	3,111 75
Traveling expenses	47 36
Total	\$15,664 58

Public Drinking-hydrants—

Repairing hydrants	\$371 47
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Removing Obstructions in Streets and Avenues—

Removing obstructions, etc	\$8,048 20
“ trees	339 50
Pay-rolls	1,254 89
Traveling expenses	220 55
Total	\$9,863 14

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

Changing taps, etc	\$110 40
Pay-rolls	54,675 77
Repairing meters	214 96
“ stop-cocks	182 69
Setting meters	829 05
Stop-cocks, etc	1,355 54
Sundry supplies, tools, etc	1,227 15
Telephone service	168 85
Total	\$58,764 41

Repairing and Renewal of Pipes, Stop-cocks, etc., 1889—

Cast-iron pipes	\$15,148 12
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Repairs and Renewal of Pavements and Regrading—

Cement	\$502 52
Gravel	70 00
Horse-hire	287 00
Pay-rolls	112,016 22
Repairing tool-carts, tools, etc	1,295 05
Sand	3,117 92
Traveling expenses	102 40
Sundry supplies, tools, etc	466 90
Total	\$117,858 01

Repairs and Renewal of Pavements and Regrading, 1889—

Relaying pavement	\$12 55
Traveling expenses	1,474 27
Total	\$1,486 82

Repaving (Chapter 346, Laws of 1889)—

Horse-hire	\$180 00
Pay-rolls	13,617 54
Traveling expenses	47 10
Greenwich street, between Chambers and Canal streets	14,056 70
Eighth avenue, between Thirteenth and Thirty-fourth streets	8,274 00
Eighth avenue, between Thirty-fourth and Fifty-ninth streets	11,032 00
Twenty-fifth street, between Broadway and Fifth avenue	925 00
Thirty-third street, between Madison avenue and Broadway	26,592 49
Thirty-seventh street, between Fourth and Sixth avenues, etc	22,841 00
Fifty-eighth street, between Fifth and Sixth avenues, etc	21,569 69
Total	\$119,135 52

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

Boulevard, between Fifty-ninth and Seventy-ninth streets	\$83,300 00
Broad street, between Exchange place and Pearl street	6,755 81
Broad street, between Wall street and Exchange place	5,337 04
Broome street, between Centre street and Broadway	19,205 44
Franklin street, between West Broadway and Washington street	472 33
Lexington avenue, between Twenty-first and Thirty-second streets, etc	52,290 00
Lexington avenue, between Thirty-fourth and Thirty-fifth streets, etc	76,765 50
Platt street, between Pearl and William streets	12,012 19
Reade street, between Elm and Washington streets	26,639 29
Spring street, between Bowery and Broadway	16,195 13
Thomas street, between Church and Hudson streets	18,204 57
Varick street, between Franklin and Canal streets	7,993 00
Worth street, between Broadway and Hudson street	408 68
Thirteenth street, between Avenue B and Fifth avenue	22,356 60

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

Twenty-fifth street, between Broadway and Sixth avenue, etc	\$17,146 63
Thirty-eighth street, between Fourth and Madison avenues	3,428 49
Forty-sixth street, between Madison and Sixth avenues	22,881 85
Total	\$391,362 55

Repaving Streets and Avenues—

Horse-hire	\$270 00
Traveling expenses	28 80
Catharine street, between Division and Cherry streets	14,236 66
Harrison street, between Hudson and Washington streets	14,620 68
Washington street, between Houston and Clarkson streets	3,567 45
Seventy-second street, between Second and Third avenues	3,011 51
Total	\$35,735 10

Repaving Streets and Avenues, 1889—

Chambers street, between Park Row and Greenwich street	\$695 82
Hudson street, between Beach and Spring streets	17,683 00
Madison avenue, between Thirty-third and Thirty-sixth streets	40,439 25
New Chambers street, between Park Row and Cherry street	651 46
Wall street, between Broadway and Nassau street	2,124 33
Whitehall street, between Beaver street and South Ferry	41,065 84
Thirty-third street, between Fourth and Lexington avenues	296 97
Total	\$102,956 67

Repaving Streets and Avenues, 1888—

Hudson street, between Beach and Chambers streets	\$1,057 80
Hudson street, between Spring and Fourteenth streets	3,024 70
Total	\$4,082 50

Retaining-walls in East Fifty-first street and East Forty-second street—

Building retaining-wall	\$1,053 50
Cleaning and painting Forty-second Street Arch	600 00
Pay-rolls	304 00
Total	\$1,957 50

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

Lumber	\$10 53
Pay-rolls	8,945 28
Total	\$8,955 81

Sewers, Repairing and Cleaning—

Brick, cement, etc	\$475 93
Cleaning sewers	11,639 11
Horse-hire	480 00
Manhole heads and covers	659 13
Pay-rolls	26,788 12
Removing basin-head	5 00
Repairing sewers	2,315 68
Repairing tools, etc	43 85
Sundry supplies, tools, etc	212 31
Traveling expenses	385 10
Total	\$43,004 23

Sewers—Repairing and Cleaning, 1889—

Protecting gas-mains	\$112 99
Repairing sewers	2,291 58
Total	\$2,404 57

Street Improvements for Surveying, Monumenting, etc.—

Pay-rolls	\$570 00
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Supplies for and Cleaning Public Offices—

Bureau of Repairs and Supplies	\$1,376 16
City Hall	168 75
Court, Civil, First District	25 00
“ “ Second “	29 50
“ “ Fifth “	78 95
“ “ Sixth “	25 84
“ “ Ninth “	15 00
“ Police, Fifth “	19 50
“ City	35 44
“ Common Pleas	36 00
“ Supreme	64 50
Court-house, County	72 98
Office, Civil Service Board	78 00
“ Corporation Counsel	25 00
“ Department, Finance	255 55
“ Department of Public Works	189 86
“ “ Taxes	34 85
“ Mayor	36 00
“ Recorder	67 80
“ Register	60 00
Pay-rolls	19,145 50
Ice	1,219 91
Total	\$23,060 09

Supplies for and Cleaning Public Offices, 1889—

Coal	\$3,813 50
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Water Supply for the Twenty-fourth Ward—

Supply of Water	\$1,010 99
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RECAPITULATION OF APPROPRIATIONS.

Aqueduct Repairs, Maintenance and Strengthening	\$54,509 24
Aqueduct Repairs, Maintenance and Strengthening, 1889	2,733 50
Aqueduct Repairs, Maintenance and Strengthening—Salaries	6,632 84
Boring Examinations for Grading and Sewer Contracts	747 50
Boulevards, Roads and Avenues, Maintenance of	40,877 59
Boulevards, Roads and Avenues, Maintenance of—Salaries	624 99
Bronx River Works, Maintenance and Repairs	5,508 44
Bronx River Works, Maintenance and Repairs—Salaries	600 00
Contingencies—Department of Public Works	740 10
Flagging Sidewalks and Fencing Vacant Lots, etc	165 36
Free Floating Baths—Care and Maintenance	2,116 36
Free Floating Baths—Salaries	16,863 50
Lamps and Gas and Electric Lighting	186,983 83
Lamps and Gas and Electric Lighting—Salaries	1,624 95
Laying Croton-pipes	36,534 18
Laying Croton-pipes, 1889	18,788 47
Laying Croton-pipes—Salaries	4,269 00
Public Buildings, Construction and Repairs	15,664 58
Public Drinking-hydrants	371 47
Public Drinking-hydrants—Salaries	300 00
Removing Obstructions in Streets and Avenues	9,863 14
Removing Obstructions in Streets and Avenues—Salaries	1,950 00
Repairing and Renewal of Pipes, Stop-cocks, etc	58,764 41
Repairing and Renewal of Pipes, Stop-cocks, etc., 1889	15,148 12
Repairs and Renewal of Pavements and Regrading	117,858 01
Repairs and Renewal of Pavements and Regrading, 1889	1,486 82
Repairs and Renewal of Pavements and Regrading—Salaries	3,534 96
Repaving—Chapter 346, Laws of 1889	119,135 52
Repaving—Chapter 346, Laws of 1889—1889	391,362 55

Repaving Streets and Avenues.....	\$35,735 10
Repaving Streets and Avenues, 1889.....	102,950 07
Repaving Streets and Avenues, 1888.....	4,082 50
Repaving Streets and Avenues—Salaries.....	3,609 25
Retaining-walls in East Fifty-first Street and East Forty-second Street.....	1,957 50
Roads, Streets and Avenues Unpaved—Maintenance of, etc.....	8,955 81
Salaries—Department of Public Works.....	23,062 23
Salaries of Engineer, Clerks, Inspectors, etc.....	11,883 35
Sewers—Repairing and Cleaning.....	43,004 23
Sewers—Repairing and Cleaning, 1889.....	2,404 57
Sewers—Repairing and Cleaning—Salaries.....	2,469 98
Sewerage System—Salaries.....	2,137 50
Street Improvements for Surveying, Monumenting, etc.....	570 00
Supplies for and Cleaning Public Offices.....	23,060 09
Supplies for and Cleaning Public Offices, 1889.....	3,813 50
Supplies for and Cleaning Public Offices—Salaries.....	4,330 96
Supplying Water to Shipping, etc.—Salaries.....	2,614 50
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	1,774 98
Water Supply for the Twenty-fourth Ward.....	1,010 99
Water Supply for the Twenty-fourth Ward—Salaries.....	300 00
Total.....	\$1,395,493 14

TRUST ACCOUNTS.

Criminal Court-house Fund—	
Architect's Fees.....	\$14,000 00
Masonry.....	40,500 00
Pay-rolls.....	1,886 00
Total.....	\$61,886 00

Croton Water Fund—	
Clerical services.....	\$626 72
Drawing materials, etc.....	268 07
Horse-hire.....	324 00
Land.....	420 00
Lumber.....	179 10
Pay-rolls.....	14,272 89
Rent of mill seat.....	300 00
Repairing instruments.....	9 25
Reservoir near Amawalk.....	29,263 05
Traveling expenses.....	1,047 53
Wagon.....	110 00
Total.....	\$46,801 21

Fund for Viaduct from St. Nicholas place to McComb's Dam Road—	
Constructing office building.....	\$700 00
Pay-roll.....	1,371 00
Services of Consulting Engineer.....	2,500 00
Work on Contract.....	9,779 25
Total.....	\$14,350 25

Restoring and Repaving Special Fund—Department Public Works—	
Pay-rolls.....	\$1,840 62
Restoring pavements.....	8,261 50
Total.....	\$10,102 12

Street Improvement Fund—	
Curbing and flagging.....	\$24,070 18
Fencing.....	85 97
Paving and crosswalks.....	209,605 67
Regulating, grading, etc.....	53,639 59
Sewers.....	69,012 66
Pay-rolls.....	33,611 25
Surveying.....	7,871 40
Total.....	\$397,896 72

Water-meter Fund, No. 2—	
Setting meters.....	\$1,554 69
Meters.....	1,516 00
Total.....	\$3,070 69

Recapitulation of Funds—	
Criminal Court-house Fund.....	\$61,886 00
Croton-water Fund.....	46,801 21
Fund for Viaduct, from St. Nicholas place to McComb's Dam road.....	14,350 25
Restoring and Repaving—Special Fund—Department of Public Works.....	10,102 12
Street Improvement Fund.....	397,896 72
Water-meter Fund, No. 2.....	3,070 69
Total.....	\$534,106 99

GENERAL SUMMARY.

Appropriations.....	\$1,395,493 14
Funds.....	534,106 99
Total.....	\$1,929,600 13

Document "C."

STATEMENT OF CONTRACTS.

Contracts Entered into During the Three Months ending September 30, 1890.

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1890.	<i>Sewer Contracts.</i>			
July 2	Sewer in One Hundred and Forty-fifth street, between Eighth and Bradhurst avenues.....	William J. Reilly, 126th st. and Grand Boulevard.....	Thomas Hueston, Broadway and Lawrence street..... T. F. Toner, 12th ave. and 133d st. Timothy Dwyer, 404 East 66th street.	\$1,216 00
" 2	Extension of sewer in Eighty-ninth street, between Boulevard and Tenth avenue, etc.....	George Connolly, 340 East 66th street.	Thos. J. Dunn, 329 East 68th street. George N. Manchester, 417 East 116th street.	3,285 00
" 3	Repairs to sewer in Seventy-first street, between Eighth and Ninth avenues.....	M. J. Slodon, 2397 Third avenue..	L. B. Lynch, 19 East Houston st.. John McQuade, 1338 Lexington ave..	1,826 80
" 10	Sewers in Madison avenue, between One Hundred and Fifth and One Hundred and Seventh streets.....	McLaughlin & McGrath, 153 Alexander ave..	Patrick Neill, 170th and Bristow sts. William Lyman, 51 East 122d street..	3,809 00
" 11	Sewers in South street, between Broad and Whitehall streets, and in Moore street, between South and Water streets, etc.....	William F. Cunningham, 320 East 83d street..	D. W. Moran, 210 East 71st street..	19,345 00
" 11	Sewers in Madison avenue, between One Hundred and Twenty-fifth and One Hundred and Twenty-seventh streets.....	William F. Cunningham, 320 East 83d street..	D. W. Moran, 210 East 71st street..	1,935 00
" 11	Sewer in Madison avenue, between One Hundred and Seventh and One Hundred and Ninth streets.....	William F. Cunningham, 320 East 83d street..	William Lyman, 51 East 122d street.. D. W. Moran, 210 East 71st street..	3,275 00

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
Aug. 11	Sewer in Madison avenue, between One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets.....	Thomas F. Murray, 2349 Tenth avenue..	John Murray, 2149 Tenth avenue.. John Ryan, 129th street, between 11th and 12th aves.	\$1,173 80
" 11	Sewer in One Hundred and Twenty-sixth street, between Tenth avenue and Boulevard.....	Thomas F. Murray, 2349 Tenth avenue..	John Murray, 2349 Tenth avenue.. John Ryan, 129th street, between 11th and 12th aves.	2,89 00
" 13	Sewer in First avenue, between Forty-fifth and Forty-sixth streets.....	Lawrence Rock, 459 West 40th street.	Patrick Reilly, 59 Sutton place..... Michael Phelan, 538 Tenth avenue..	4,480 20
" 14	Sewer in Madison avenue, between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.....	John Slattery, 368 Park avenue....	Thomas F. Leamy, 609 Lexington ave.. R. W. Buckley, 55 East 73d street..	1,138 80
" 14	Sewer in Madison avenue, between One Hundred and Thirty-first and One Hundred and Thirty-second streets.....	John Slattery, 368 Park avenue....	Thomas F. Leamy, 609 Lexington ave.. R. W. Buckley, 55 East 73d street..	1,100 00
" 14	Sewer in Ninety-first street, between Tenth avenue and summit, East.....	John Slattery, 368 Park avenue....	Thomas F. Leamy, 609 Lexington ave.. R. W. Buckley, 55 East 73d street..	15,74 75
" 15	Repairs to sewer in One Hundred and Fourth street, between Third and Lexington avenues.....	John Kenny, 342 West 18th street.	Alex. J. Shields, 127 Nin h avenue.. John Murray, 2349 Tenth avenue..	1,312 50
" 19	Repairs to sewer in John street, between South and Pearl streets.....	John Kenny, 342 West 18th street.	Alex. J. Shields, 127 Ninth avenue.. John Murray, 2349 Tenth avenue..	3,234 00
" 19	Repairs to sewer in Stanton street, between Sheriff and Suffolk streets.....	John Kenny, 342 West 18th street.	Alex. J. Shields, 127 Ninth avenue.. John Murray, 2349 Tenth avenue..	4,279 00
" 26	Alteration and improvement to sewer in Fourth avenue, west side, between Seventy-first and Seventy-third streets, etc.....	George Connolly, 340 East 66th street..	Patrick Larrey, 325 East 83d street.. Timothy Dwyer, 404 East 66th street.	3,910 00
" 27	Sewer in Madison avenue, between One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets.....	Joseph Moore, 170 East 89th street.	James Rogers, foot of West 132d st.. John McLaughlin, 346 East 81st street..	2,800 00
" 27	Sewer in Thirtieth avenue, between Little West Twelfth and Thirtieth streets, and in Thirtieth street, between Tenth and Thirtieth avenues.....	Joseph Moore, 170 East 89th street.	James Rogers, foot of West 132d st.. John McLaughlin, 346 East 81st street..	2,067 40
Sept. 15	Sewer in Second avenue, between First and Houston streets.....	Patrick McInerney, 214 East 85th street.	Charles McGinnis, 127 Broome street.. John Fleming, 175 East 82d street..	1,207 50
	<i>Regulating, Grading, etc., Contracts.</i>			
July 11	Flagging, etc., north side Sixty-ninth street, from Ninth avenue to Boulevard.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street.	8,520 71
" 11	Flagging, etc., east side Fifth avenue, from Seventy-second to Seventy-ninth street.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street.	1,830 25
" 11	Flagging, etc., west side Boulevard, from Seventy-third to Seventy-fourth street, and north side Seventy-fourth street, from Boulevard to West End avenue.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street..	646 83
" 11	Flagging, etc., north side One Hundred and Thirtieth street, from Tenth avenue to Hamilton place.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street..	613 69
" 11	Flagging, etc., One Hundred and Thirtieth street, from Broadway to Tenth avenue.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street..	815 50
" 11	Flagging, etc., east side Madison avenue, from One Hundred and Thirtieth to One Hundred and Thirty-first street, and north side One Hundred and Thirtieth street and south side One Hundred and Thirty-first street, from Park to Madison avenue.....	A. E. Moran, 1302 Second avenue.	D. W. Moran, 219 East 71st street.. M. McGrath, 64 East 10th street..	221 90
" 14	Regulating and grading, etc., One Hundred and Forty-eighth street, from St. Nicholas avenue to Boulevard.....	James Leeson, 171 West 133d street.	William G. Leeson, 242 West 130th street. Patrick Larrey, 325 East 83d street.	9,448 67
" 16	Regulating and grading, etc., Ninety-sixth street, from Eighth avenue to Boulevard.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	588 70
" 16	Flagging, etc., south side of Twenty-sixth street, from Avenue A to Avenue B.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	1,169 50
" 16	Flagging, etc., north side of Forty-fourth street, from Second to Third avenue.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	337 00
" 16	Flagging, etc., Seventy-sixth street, from Tenth avenue to Boulevard.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	647 77
" 16	Flagging, etc., Eightieth street, from Ninth to Tenth avenue.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	1,515 86
" 16	Flagging, etc., Sixty-ninth street, and south side of Seventieth street, from Boulevard to West End avenue.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	2,010 34
" 16	Flagging, etc., Boulevard, from Eighty-third to Eighty-fourth street, and Eighty-fourth street, from Tenth to West End avenue.....	Thomas J. Dunn, 321 East 68th street.	Samuel Smyth, 405 East 61st street.. Timothy Mahoney, 340 East 86th street.	2,185 20
Aug. 20	Flagging, etc., south side Sixtieth street, from First avenue to Avenue A.....	Thomas Callanan, 1603 Second avenue.	Thomas Regan, 719 Lexington ave.. John Fleming, 175 East 82d street..	386 05
" 20	Flagging, etc., Seventy-fourth street, from Fifth to Lexington avenue.....	Thomas Callanan, 1603 Second avenue.	Thomas Regan, 719 Lexington ave.. John Fleming, 175 East 82d street..	1,01 50
" 20	Flagging, etc., Ninety-sixth street, from Eighth avenue to Boulevard.....	Thomas Callanan, 1603 Second avenue.	Thomas Regan, 719 Lexington ave.. John Fleming, 175 East 82d street..	2,814 25
" 20	Flagging, etc., north side One Hundred and Eleventh street, from Madison to Fifth avenue.....	Thomas Callanan, 1603 Second avenue.	Thomas Regan, 719 Lexington ave.. John Fleming, 175 East 82d street..	231 75
Sept. 17	Regulating, grading, etc., One Hundred and Forty-ninth street, from Avenue St. Nicholas to Boulevard.....	William J. Kelly, Eastchester, Westchester Co., N. Y.	Max Baron, 85 Allen street..... O. Leonard, 130 Greenwich ave..	5,642 01
" 23	Regulating, grading, etc., One Hundred and Forty-second street, from Seventh avenue to Harlem river.....	R. McLaughlin, 363 Brook avenue....	Nicholas Cotter, 630 E. 138th street.. John Cotter, 630 E. 138th street..	11,671 93
" 23	Regulating, grading, etc., One Hundred and Forty-third street, from Seventh avenue to Harlem river.....	R. McLaughlin, 363 Brook avenue....	Nicholas Cotter, 630 E. 138th street.. John Cotter, 630 E. 138th street..	1,203 30
" 23	Regulating, grading, etc., Jumel Terrace, from One Hundred and Sixtieth to One Hundred and Sixty-second street.....	R. McLaughlin, 363 Brook avenue....	Nicholas Cotter, 630 E. 138th street.. John Cotter, 630 E. 138th street..	4,069 87
" 30	Regulating, grading, etc., One Hundred and Forty-eighth street, from Seventh avenue to Harlem river.....	Charles V. Hough, 233 East 119th street.	Charles A. Cowen, 237 West 122d street.. William G. Wood, 259 Lenox avenue...	2,198 22
				\$62,005 89

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.	Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1890.	<i>Paving Contracts—Assessment Work.</i>				1890.	<i>Laying Water-main Contracts.</i>			
Aug. 5	Paving with granite-block pavement Mangin street, from Grand to Houston street.....	John G. Smith, 329 West 48th street.	John F. Moore, 220 West 155th street James Fitzpatrick, 529 West 42d street.	\$15,011 40	Aug. 4	Laying water-mains in Tenth, Honeywell, Daily and First avenues, in Eighty-ninth, Ninety-sixth, One Hundred and Third, One Hundred and Ninth, One Hundred and Twelfth, One Hundred and Twenty-sixth, One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Forty-fourth, One Hundred and Forty-ninth, One Hundred and Seventy-sixth, High-bridge and Samuel streets.....	John Cornwell, Jr., 111 East 127th street.	Moses Mehrbach, 134 East 79th street.. Solomon Mehrbach, 74 East 54th street..	\$4,551 05
" 5	Paving with granite-block pavement Lewis street, from Delancey to Houston street.....	John G. Smith, 329 West 48th street.	John F. Moore, 220 West 155th street James Fitzpatrick, 529 West 42d street.	11,798 60	" 4	Relaying water-mains in Gerard avenue, One Hundred and Sixty-first, One Hundred and Fifty-fifth, One Hundred and Thirtieth streets and Boulevard.....	F. Thilemann, Jr., 119 West 127th street	R. J. Mahoney, 416 East 57th street. Isaac A. Hopper, 163 West 122d street	2,952 05
" 5	Paving with granite-block pavement Nineteenth street, from Tenth avenue to about three hundred feet westerly.....	John G. Smith, 329 West 48th street.	John F. Moore, 220 West 155th street James Fitzpatrick, 529 West 42d street. Charles Guidet, 41 Park avenue.....	2,807 00	" 4				
" 5	Paving with granite-block pavement Twenty-sixth street, from Tenth to Eleventh avenue.....	M. Fitzgerald, 534 West 35th street.	John Brosen, 408 West 56th street. Charles Guidet, 41 Park avenue.....	8,259 68	" 4				
" 7	Paving with granite-block pavement Eleventh avenue, between Twenty-seventh and Thirtieth streets.....	M. Fitzgerald, 534 West 35th street.	John Brosen, 408 West 56th street. Michael Regan, 75 Clarkson street...	18,875 65	" 4				
Sept. 2	Paving with granite-block pavement Ninety-fourth street, from Second to Third avenue.....	Thomas Gearty, 135 East 83d street..	John McLaughlin, 346 East 81st street..	5,636 80		<i>Miscellaneous Contracts.</i>			
" 3	Paving with granite-block pavement Eighty-fourth street, from Tenth avenue to Boulevard.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,758 00	July 7	Improvement of Aqueduct property, between Ninetieth and Ninety-first streets, 100 feet west of Ninth avenue.....	F. Thilemann, Jr., 119 West 127th street	C. G. Rapp, 107 West 131st street Thomas J. Dunn, 321 East 68th street. B. G. Clarke, 52 Wall street.....	\$3,000 00
" 3	Paving with granite-block pavement Eighty-eighth street, from Madison to Fifth avenue.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	4,106 50	" 14	Improvement of One Hundred and Fifty-fifth street, from St. Nicholas place to McComb's Dam Bridge..	Herbert Steward, Trenton, N. J.....	Charles Macdonald, 1 Broadway.....	514,423 00
" 3	Paving with granite-block pavement Eighty-ninth street, from Tenth avenue to Boulevard.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,243 90	" 23	Furnishing materials, etc., in the painting and calcimining rooms of the Supreme Court in the County Court-house, City Hall Park.....	William Minnick, 390 Fourth avenue..	John Flanagan, 392 Fourth avenue.. I. O. Shumway, 390 Fourth avenue..	1,847 00
" 3	Paving with trap-block pavement One Hundred and Forty-second street, from Tenth to Eleventh avenue.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	5,736 50	Aug. 2	Furnishing cast-iron water-pipes, branch-pipes and special castings..	M. J. Drummond, 133 West 94th street.	Thomas E. Armstrong, 155 West 121st street M. S. Coleman, 38 East 69th street...	13,630 00
" 3	Paving with granite-block pavement Ninety-fifth street, from Tenth avenue to Boulevard.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,165 55	" 5	Furnishing materials, etc., in the repairing and painting of roofs of Twelfth Regiment Armory.....	William S. Wynn, 314 East 120th street.	M. F. Wynn, 314 East 120th street. L. Tynan, 445 East 23d street..	1,685 00
" 3	Paving with granite-block pavement One Hundred and Second street, from First avenue to Harlem river.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	7,116 00	Sept. 17	Furnishing materials, etc., in the painting and calcimining rooms and halls of the Seventh Regiment Armory, Seventh District Court-house, First District Civil Court, Brown-stone Building, No. 31 Chambers street, Tompkins Market building and No. 49 Beekman street.....	William Minnick, 390 Fourth avenue..	John Flanagan, 392 Fourth avenue.. I. O. Shumway, 392 Fourth avenue..	2,678 00
" 3	Paving with granite-block pavement One Hundred and Fourth street, from Boulevard to Riverside Drive.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	7,499 40	" 18	Furnishing materials, etc., in repairing, painting and putting new tin roofs on Seventh District Court-house and office of Corporation Yard foot of East Sixteenth street	M. Harrison, Jr., 216 East 48th street.	Henry Thoesen, 785 Third avenue... N. W. Morrell, 52d street and 2d ave.	1,176 00
" 3	Paving with granite-block pavement One Hundred and Fifth street, between Park and Fifth avenues.	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	8,057 20		<i>Special Contracts.</i>			
" 3	Paving with granite block pavement One Hundred and Fourteenth street, from Madison to Fifth avenue.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,767 50	July 17	Crosswalk across Avenue St. Nicholas, north and south sides One Hundred and Eighteenth street..	George F. Masterson... 63 West 95th street..	Patrick Sheehy, 145 East 87th street..	\$296 46
" 3	Paving with granite-block pavement One Hundred and Ninth street, from Madison to Fifth avenue....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,844 35	" 19	Fencing vacant lots north side One Hundred and Tenth street, from Fifth to Lenox avenue.....	F. Thilemann, Jr., 119 West 127th street	Joseph Moore, 170 East 89th street..	352 78
" 3	Paving with granite-block pavement One Hundred and Twenty-fifth street, from Manhattan street to Boulevard.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	21,400 25	" 19	Fencing vacant lots on block bounded by Ninety-fifth and Ninety-sixth streets, Madison and Fifth avenues.....	F. Thilemann, Jr., 119 West 127th street	Joseph Moore, 170 East 89th street..	761 75
" 3	Paving with granite-block pavement One Hundred and Thirtieth street, from Tenth avenue to Boulevard.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	6,285 00	" 28	Fencing vacant lots southeast corner One Hundred and First street and Eighth avenue.....	Patrick Larney, 325 East 38th street..	Laurence Rock, 459 West 40th street..	101 00
" 3	Paving with granite-block pavement Madison avenue, from One Hundred and Sixteenth to One Hundred and Twentieth street.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	13,651 40	" 28	Fencing vacant lots north side Sixty-ninth street, east of Boulevard....	Patrick Larney, 325 East 38th street..	Laurence Rock, 459 West 40th street..	38 75
" 3	Paving with granite-block pavement First avenue, from One Hundred and Twenty-fifth to One Hundred and Twenty-sixth street.....	William Kelly, 444 West 51st street.	John G. Smith, 329 West 48th street. Thomas Smith, 318 West 52d street.	3,640 00	" 30	Extension of sewer in Seventy-eighth street, between Boulevard and Amsterdam (Tenth) avenue.....	W. F. Croft, New Rochelle, N. Y.	Laurence Rock, 459 West 40th street..	564 10
" 3	Paving with granite-block pavement Sylvan place, from One Hundred and Twentieth to One Hundred and Twenty-first street.....	William Kelly, 444 West 51st street.	John G						

DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.	DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.
July 10	Laying water-mains.	In Madison, Ryer, Trinity and Union avenues, in Seventy-seventh, Ninetieth, Ninety-second, One Hundred and Third, One Hundred and Fourth, One Hundred and Eighth, One Hundred and Fourteenth, One Hundred and Sixteenth, One Hundred and Twenty-first, One Hundred and Twenty-sixth, One Hundred and Sixty-second and One Hundred and Sixty-fourth streets and in Kirk place.	\$4,830 03	Sept. 16	Paving	Washington street, from Houston to Clarkson street and from King to Charlton street.	\$3,747 93
" 11	Paving	One Hundred and Second street, from Ninth to Tenth avenue.	9,054 86	" 17	"	Twenty-fifth street, from Broadway to Sixth avenue, Thirty-second street, from Madison to Fifth avenue, and Fortieth street, from Fourth to Fifth avenue.	24,553 18
" 11	Sewer	In One Hundred and Twenty-fourth street, between Ninth and Tenth avenue.	4,010 58	" 18	Receiving basin	Southeast corner Sixty-fourth street and Boulevard.	403 48
" 15	Paving	One Hundred and Eighth street, from Boulevard to Riverside Drive.	4,628 95	" 18	Sewer	In Seventy-eighth street, between Boulevard and West End avenue, and receiving basin southeast corner Seventy-eighth street and West End avenue.	2,181 91
" 15	Flagging, etc.	West side Boulevard, from Sixty-fifth to Sixty-sixth street.	297 38	" 18	"	In Twelfth avenue, between Thirty-ninth and Fortieth streets, etc.	6,053 99
" 15	"	Southwest corner Canal and Mott streets.	195 93	" 18	Regulating and grading	One Hundred and Ninth street, from Ninth avenue to Riverside Drive.	18,642 52
" 15	"	North side Ninetieth street, from Madison to Park avenue.	405 29	" 18	Paving	One Hundred and Thirty-sixth street, from Seventh to Eighth avenue.	8,333 04
" 15	"	West side Tenth avenue, from Eighty-seventh to Eighty-eighth street.	132 69	" 18	Laying a crosswalk.	Across Avenue St. Nicholas, north and south sides One Hundred and Eighteenth street.	343 74
" 15	Fencing vacant lots	On Boulevard, between Eighty-sixth and Eighty-eighth streets.	209 44	" 18	"	Across One Hundred and Twenty-fourth street, east and west sides Lexington avenue.	374 37
" 15	"	North side Eighty-fourth street, east of Riverside Drive.	111 89	" 18	Flagging, etc.	East side Fifth avenue, from Seventy-second to Seventy-ninth street.	1,043 98
" 16	Paving	Platt street, from Pearl to William street; Cliff street, from Ferry to John street, and Stone street, from William to Broad street.	19,700 60	" 18	"	North side One Hundred and Thirtieth street, from Seventh to Eighth avenue, and east side Eighth avenue, from One Hundred and Thirtieth to One Hundred and Fortieth street.	791 49
" 21	"	One Hundred and Forty-fourth street, from Eighth avenue to first new avenue west.	2,988 46	" 18	"	Fifteenth street, from Avenue A to Avenue B.	1,582 89
" 21	"	Sixty-ninth street, from Eighth to Ninth avenue.	9,233 99	" 18	"	West side Eighth avenue, from Ninety-fourth to Ninety-eighth street.	1,212 22
" 21	"	Eightieth street, from Boulevard to West End avenue.	3,235 92	" 18	"	Eighty-sixth street, from Eighth to Riverside avenue.	5,384 99
" 21	Catch basin.	Southeast corner Sixty-sixth street and Boulevard.	261 19	" 18	"	Northeast corner West Broadway and Walker street.	41 49
" 21	Flagging, etc.	West side Pleasant avenue, from One Hundred and Nineteenth to One Hundred and Twenty-first street.	545 90	" 18	"	Seventy-sixth street, from Tenth avenue to Boulevard.	1,160 89
" 21	"	South side Seventieth street, from Tenth to West End avenue.	1,366 03	" 18	"	North side One Hundred and Thirty-eighth street, from Tenth avenue to Hamilton place.	686 69
" 22	Sewer	In One Hundred and Fifty-sixth street, between Tenth avenue and Avenue St. Nicholas.	1,437 77	" 18	"	South side North Moore street, from West Broadway to Varick street.	709 46
" 22	Paving	Seventy-second street, from Second to Third avenue.	8,502 03	" 25	"	Eightieth street, from Ninth to Tenth avenue.	1,455 19
" 22	Furnishing cast-iron water-pipes, branch pipes and special castings.	Broad street, from Wall street to Exchange place.	7,095 70	" 25	"	One Hundred and Thirtieth street, from Broadway to Tenth avenue.	883 39
" 24	Regulating and grading	One Hundred and Forty-seventh street, from Eighth avenue to Harlem river.	28,907 07	" 25	Laying water-mains.	North side One Hundred and Seventeenth street, from Park to Madison avenue.	281 67
" 24	Paving	Ninety-second street, from West End avenue to Boulevard.	15,437 45	" 26	Furnishing 3,700 gross tons Lehigh and Wilkesbarre broken size coal, and 30 tons of English cannon	In Ninetieth street, Eighth avenue and Central Park.	66,590 05
" 24	"	One Hundred and First street, from Ninth to Tenth avenue.	3,756 47	" 29	Flagging, etc.	South side Sixtieth street, from First avenue to Avenue A.	21,728 00
" 24	"	Seventy-fourth street, from Eighth to Ninth avenue.	8,063 94	" 30	Furnishing materials and performing work in the painting and calcimining the rooms of the Supreme Court, etc.		407 60
" 28	Sewer	In Washington street, between Beach and North Moore streets.	7,839 30	" 30	Furnishing 800 cast-iron lamp-posts.		1,847 00
" 29	Resurfacing, etc.	One Hundred and Sixteenth street, between Pleasant and Third avenues.	1,226 60				5,608 23
" 29	Flagging, etc.	Madison avenue, from One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street.	6,644 58				\$831,840 23
" 31	Regulating and grading	One Hundred and Eighty-first street, from Tenth to Eleventh avenue.	1,670 48				
Aug. 1	Sewer	In One Hundredth street, between Fourth and Madison avenues.	16,008 53				
" 1	"	In One Hundredth and Forty-third street, between Eighth and Bradhurst avenues.	2,625 64				
" 4	Crosswalk	Across first new avenue west of Eighth avenue, north and south sides of One Hundred and Forty-fifth street.	1,985 06				
" 4	"	Across One Hundred and Sixty-second street, east side Tenth avenue.	112 74				
" 4	"	Across Edgecombe and Bradhurst avenues, north side One Hundred and Forty-fifth street.	130 14				
" 4	Paving	One Hundred and Forty-sixth street, from St. Nicholas to Tenth avenue.	266 56				
" 6	Flagging, etc.	Eighty-first street, from Tenth avenue to Boulevard.	8,375 43				
" 6	Extension of sewer outlet.	Sixty-second street, at East river.	1,200 68				
" 6	Furnishing about 2,500 cubic yards broken stone of trap-rock; also, about 1,200 cubic yards coarse screenings of trap-rock.		886 58				
" 6	Paving	Reade street, between Elm and Washington streets.	7,484 00				
" 7	"	One Hundred and Fourteenth street, from Eighth to Manhattan avenue.	27,297 83				
" 7	"	Sixty-sixth street, from Eighth to Ninth avenue.	4,219 33				
" 7	"	Fifty-third street, from Tenth to Eleventh avenue.	9,172 73				
" 7	Extension of sewer outlet.	In Eleventh street, at East river.	9,602 57				
" 9	Flagging, etc.	Madison avenue, from One Hundred and Thirtieth to One Hundred and Thirty-first street, north side One Hundred and Thirtieth street, and south side One Hundred and Thirty-first street, from Park to Madison avenue.	5,087 28				
" 12	Alterations and improvements to sewers.	In Twentieth street, between Tenth avenue and North river.	265 60				
" 13	Crosswalks	Across Hamilton place, north and south sides One Hundred and Forty-third street.	20,488 88				
" 13	"	Across Hamilton place, north and south sides One Hundred and Forty-second street.	165 83				
" 14	Paving	Hudson street, from Beach to Canal street, and Canal street, from Hudson to Greenwich street.	197 33				
" 14	"	Harrison street, from Hudson to Washington street, and Desbrosses street, from Hudson to Greenwich street.	54,722 04				
" 14	"	Forty-sixth and Forty-seventh streets, between Madison and Sixth avenues.	15,349 96				
" 19	"	Sixty-fifth street, from Tenth avenue to Boulevard.	32,688 45				
" 19	"	Seventieth street, from Eighth to Ninth avenue.	7,312 36				
" 19	"	Seventy-seventh street, from Boulevard to Riverside Drive.	9,050 68				
" 19	Flagging, etc.	North side Ninety-seventh street, from Third to Park avenue.	8,847 55				
" 19	"	One Hundred and Forty-first street, from St. Nicholas to Convent avenue.	808 97				
" 19	"	East side Beekman place, from Forty-ninth to Fiftieth street.	434 94				
" 19	"	West side Madison avenue, from Ninety-sixth to Ninety-seventh street, and north side Ninety-sixth street, from Madison to Fifth avenue.	178 51				
" 19	"	Seventieth street, from First avenue to East river.	483 37				
" 19	Regulating and grading	One Hundred and Seventh street, from Ninth to Tenth avenue.	5,270 82				
" 20	Paving	Thirty-eighth street, from Fourth to Madison avenue.	3,735 28				
" 21	"	Fifteenth street, from Tenth avenue to Hudson river.	5,057 83				
" 21	"	Bank street, from West to Washington street.	13,670 30				
" 21	Flagging, etc.	One Hundred and Thirty-fourth street, from Park to Madison avenue.	4,733 26				
" 21	"	South side Seventy-second street, from First avenue to Avenue A.	984 29				
" 21	"	One Hundred and Twenty-fifth street, from Eighth to St. Nicholas avenue.	407 70				
" 21	"	Across Lexington avenue, north side Thirty-second street.	404 85				
" 21	Crosswalk	Across Mount Morris avenue, north and south sides One Hundred and Twenty-first and One Hundred and Twenty-second streets.	100 18				
" 21	Flagging, etc.	West side Madison avenue, from One Hundred and Second to One Hundred and Third street.	606 16				
" 29	Paving	Thomas street, between Church and Hudson streets, Howard street, from Broadway to Mercer street, Greenwich avenue, from Eighth avenue to West Thirtieth street, and Horatio street, from Greenwich avenue to West Fourth street.	107 33				
" 29	"	Catharine street, from Division to Cherry street.	18,591 29				
Sept. 2	Regulating and grading	One Hundred and Forty-second street, from Eighth avenue to first new avenue west.	14,927 86				
" 4	Flagging, etc.	South side of Eighty-first street, from Ninth to Tenth avenue.	2,338 69				
" 4	"	North side of Sixty-ninth street, from Ninth avenue to Boulevard.	234 27				
" 5	Paving	Broome street, from Centre street to Broadway, and Bleeker street, from Crosby street to Bowery.	599 75				
" 5	"	Thirty-third street, from Madison avenue to Broadway, and Thirty-sixth street, from Fourth to Sixth avenue.	20,721 86				
" 9	Repairs to sewer	In Boulevard, west side, between Eighty-fourth and Eighty-fifth streets.	37,989 27				
" 12	Receiving-basin	Southeast corner Sixty-fifth street and Ninth avenue.	928 00				
" 12	"	Southeast corner Seventy-fifth street and Boulevard.	463 87				
" 13	Paving	Fifty-eighth street, from Fifth to Sixth avenue, Sixtieth street, from Lexington to Fourth avenue, Hanover street, from Pearl street to Exchange place, Exchange place, from Hanover to William street, and William street, from Beaver to Wall street.	253 76				
			30,813 84				

RECAPITULATION.
11 Sewer Contracts.....\$50,776 76
29 Regulating, Grading, etc., Contracts.....88,327 87
23 Paving Contracts (Assessment Work).....183,612 89
17 Repaving Contracts.....304,287 08
2 Laying Water-main Contracts.....71,420 03
6 Miscellaneous Contracts.....66,244 26
27 Special Contracts.....7,110 74
115 Contracts.....\$831,840 23

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, October 2, 1890.
Hon. THOMAS F. GILROY, Commissioner of Public Works:
DEAR SIR—I herewith submit report for the quarter ending September 30, 1890.
EXPENDITURES.
Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs.....\$52,221 27
Aqueduct—Repairs, Maintenance and Strengthening—Excavation.....4,977 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....6,632 84
Bronx River Works—Maintenance and Repairs.....5,508 44
Bronx River Works—Maintenance and Repairs—Salaries.....600 00
Croton Water Fund.....46,801 12
Fund for Viaduct, from St. Nicholas Place to Macomb's Dam Bridge.....14,245 25
Laying Croton Pipes.....50,503 65
Laying Croton Pipes—Salaries.....3,088 00
Repairing and Renewal of Pipes, Stop-cocks, etc.....35,092 12
Retaining-walls in East Fifty-first and East Forty-second streets.....600 00
Salaries of Engineer, Clerk, etc.....3,150 48
Water Meter Fund, No. 2.....3,220 22
Water Supply, Twenty-fourth Ward.....1,010 99
Total.....\$233,651 38
STORAGE RESERVOIRS.
During the past quarter the Croton river furnished a full supply to the Aqueduct for 26 days.
Storage was Drawn, as follows:
Boyd's Corners Reservoir.....780,000,000 Gallons.
South East Reservoir.....550,000,000
Kirk Lake.....500,000,000
Barrett Pond.....90,000,000
Total.....1,920,000,000
The work on Reservoir "A" on the Muscoot river is progressing slowly.
Surveys are being made for the lands necessary for Reservoir "D" on the West Branch of the Croton river.
Rain-fall—Inches.
JULY. AUGUST. SEPTEMBER. TOTAL FOR QUARTER.
Boyd's Corners Reservoir.....5.46 4.70 6.86 17.02
South East Reservoir.....5.08 3.91 7.32 16.31
Kensico Reservoir.....4.75 3.61 5.08 13.44
Croton Dam.....4.64 4.41 4.58 13.63
Central Park Reservoirs.....4.14 4.46 4.28 12.88
Bronx River Supply.
The Commissioners appointed to appraise damages on the Bronx river, between Woodlawn and Williamsbridge, and the values of lands taken on Bear Gutter Creek and Byram river have closed their hearings, and are making up their reports to the Supreme Court.
The conduit, reservoirs, embankments, ditches, etc., have been kept in order, and the drains to control the change of drainage around Williamsbridge Reservoir have been continued.
The conduit has furnished an uninterrupted supply of 10,000,000 gallons per day during the quarter.

Storage has been Drawn from—

Kensico Reservoir.....	Gallons.
Rye Pond Reservoir.....	520,000,000
	720,000,000

Total gallons.....1,240,000,000

The work on the Byram river is still delayed by want of the lands necessary on Bear Gutter Creek now in the hands of the Commission to appraise values of same.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

Work Done during the Quarter ending September 30, 1890.

DIVISIONS.	EARTH EXCAVATION.	STONE QUARRIED.	STONE MASONRY.	FENCE.	FILLING AND GRADING.	CONCRETE MASONRY.	SUBWAY LAID.
	Cubic Yards.	Cubic Yards.	Cubic Yards.	Built.	Repaired.	Cubic Yards.	Cubic Yards.
First.....	....	....	....	....	....	....	....
Second.....	....	....	....	....	....	....	....
Third.....	....	....	....	....	....	....	....
Fourth.....	....	....	....	....	1,700	....	....
Fifth.....	....	....	....	300	550	....	170
Sixth.....	1,315	462	....	....	....	1,725	....
Seventh.....	....	....	....	420	....	....	....
Eighth.....	2,770	2,620	1,464	....	....	....	545
Totals.....	4,085	3,082	1,464	720	2,250	1,800	170

The regular maintenance of the Aqueduct has been continued as usual during the quarter, such as care of dam, lake, gate-house, machinery and grounds, attending leaks, patrolling Aqueduct, building and repairing fences; in addition, the men from the First to the Sixth Division have been employed in setting poles for a new telephone line.

The particular work has been as follows:

First Division—Cutting grass, cleaning up around lake, scraping and cleaning face of dam, pointing wing walls of dam, assisting in putting telephone wire, digging holes for telephone poles, attending leaks, repairing fences and general maintenance.

Second Division—Cutting grass, cleaning up line, and attending leaks at "File Works" arch, which have been very troublesome; inspected valve leading to the prison, and found the same all right; putting up telephone poles.

Third Division—Cleaning up line; cutting grass, weeds, etc.; putting up telephone poles from Hawes' bank to Shaft No. 9, New Aqueduct; also along line of Old Aqueduct.

Fourth Division—Cleaning up Aqueduct property; repairing banks; cleaning and repairs to crosswalks; cleaning drains, culverts and gutters; cutting grass; attending leaks, repairing fences and setting telephone poles.

Fifth Division—Building and repairing fences; cleaning up line; building subway for telephone at Ashburton avenue; carting telephone supplies and setting telephone poles.

Sixth Division—Cutting grass and cleaning up the entire length of the line; grading south of Gunhill road; excavating earth and rock from same; watching and attending leaks, which have been very troublesome at times; setting telephone poles and general maintenance.

Seventh Division—The walks, drains and culverts have been repaired and put in good condition; the roadway around reservoir has been kept in good order, and the walks and borders trimmed and cleaned, and fresh screenings spread where required; the iron railing around reservoir and steps leading down to Aqueduct have been painted; the railing on the bridge is now being painted; the large tanks in the engine-house, also the iron stairway, have been scraped from rust and painted; a new floor has been put in the dock; the doors leading into High Bridge on the east side have been repaired and are now easy to open and close, this in addition to cutting grass, building fences and general maintenance.

Eighth Division—Cleaning and repairs to 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; doing odd jobs of carpentering and mason work; cutting grass around reservoir, continuing the improvement of the Old Reservoir, Central Park; patrolling Central Park Reservoir and general maintenance.

The work on contract for excavating the North Division of the Old Reservoir in Central Park has been delayed during the quarter by the repaving, etc., of the Eighty-sixth Street Transverse Road, through which all of the material has to pass; this paving is now completed and the work is being actively prosecuted.

The work on contract for stone and concrete masonry is progressing satisfactorily. The work on the house at High Bridge is nearing completion.

A contract for excavating the property over the Aqueduct, between Ninetieth and Ninety-first streets, 100 feet west of Ninth avenue, was entered into and is nearly completed.

Laying Croton Pipes.

Contracts for laying water-mains in the following streets and avenues have been completed: Madison avenue, between One Hundred and Sixteenth and One Hundred and Eighteenth streets.

Ryer avenue, between One Hundred and Eighty-third street and Kirk place.

Trinity avenue, between One Hundred and Thirty-second street and Southern Boulevard.

Union avenue, between One Hundred and Sixty-fifth and One Hundred and Sixty-sixth streets.

Seventy-seventh street, between West End avenue and Riverside Drive.

Ninetieth street, between First and Second avenues.

Ninety-second street, between West End avenue and Boulevard.

One Hundred and Third street, between First avenue and East river.

One Hundred and Fourth street, between Boulevard and Riverside Drive.

One Hundred and Eighth street, between Ninth and Tenth avenues.

One Hundred and Fourteenth street, between Eighth and Manhattan avenues.

One Hundred and Sixteenth street, between Fifth and Lenox avenues.

One Hundred and Twenty-first street, between Eighth and Manhattan avenues.

One Hundred and Twenty-sixth street, between Ninth and St. Nicholas avenue.

One Hundred and Sixty-second street, between Prospect and Westchester avenues.

One Hundred and Sixty-fourth street, between Morris avenue and 200 feet west of Teller place.

Kirk place, between Ryer and Anthony avenues.

Ninetieth street, between Old Aqueduct, west of Ninth avenue, to Eighth avenue.

Eighth avenue, between Eighty-fifth and Ninetieth streets.

Central Park, between Old Aqueduct, east of Eighth avenue, and Eighth avenue.

Ninth avenue (west side), between One Hundred and Twenty-third and One Hundred and Twenty-seventh streets.

Pelham avenue, between Pyne street and Southern Boulevard.

One Hundred and Seventy-seventh street, between Railroad and Washington avenues.

New street, between Wall and Beaver streets.

Ninth and Morningside avenues, east side, between One Hundred and Tenth and One Hundred and Twenty-seventh streets.

One Hundred and Seventieth street, between Tenth and Eleventh avenues.

One Hundred and Forty-fifth street, between Tenth and Eleventh avenues.

Sherwood street, between Marion and Bainbridge avenues.

Bainbridge avenue, between 300 feet north and south of Sherwood street.

One Hundred and Sixty-fifth street, between Tenth avenue and Kingsbridge road.

One Hundred and Eighty-eighth street, between Washington and Hoffman avenues.

Ninety-first street, between First and Second avenues.

One Hundred and Thirty-fifth street, between Southern Boulevard and 500 feet east.

Railroad avenue, between One Hundred and Sixty-fifth and One Hundred and Seventy-seventh streets.

One Hundred and Seventieth street, between Washington and Railroad avenues.

One Hundred and Seventy-fifth street, between Washington and Railroad avenues.

Talmadge street, between Washington and Railroad avenues.

One Hundred and Thirty-eighth street, between Eighth and Edgecombe avenues.

One Hundred and Twenty-eighth street, between Eighth and St. Nicholas avenues.

Tenth avenue, west side, between One Hundred and Thirty-first and One Hundred and Thirty-third streets.

One Hundred and Forty-ninth street, between Brook and St. Ann's avenues.

Honeywell avenue, between Samuel street and 600 feet south.

Daily avenue, between Kingsbridge road and Samuel street.

First avenue, between Highbridge and Devoe streets.

Ninety-sixth street, between Lexington and Fourth avenues.

One Hundred and Third street, between Tenth avenue and Boulevard.

One Hundred and Ninth street, between Tenth avenue and Boulevard.

One Hundred and Twelfth street, between Tenth avenue and Boulevard.

One Hundred and Twenty-sixth street, between Tenth avenue and Boulevard.

One Hundred and Thirty-sixth street, between Fifth and Sixth avenues.

One Hundred and Thirty-sixth street, between Willis avenue and Brown place.

One Hundred and Thirty-seventh street, between Lincoln and Alexander avenues.

One Hundred and Fortieth street, between Tenth avenue and Boulevard.

One Hundred and Seventy-sixth street, between Third and Washington avenues.

Highbridge street, between Claremont and First avenues.

Samuel street, between Daily and Honeywell avenues.

One contract for laying main and one contract for furnishing water-pipe have been entered into.

Amount of Pipe Laid During the Quarter.

	Lineal feet.
48-inch pipe.....	650
36-inch pipe.....	4,000
20-inch pipe.....	1,350
12-inch pipe.....	4,577
6-inch pipe.....	10,584
Total.....	27,161

Stop-cocks Set.

36-inch stop-cocks.....	1
20-inch stop-cocks.....	1
12-inch stop-cocks.....	11
6-inch stop-cocks.....	38
Total.....	51

Hydrants Placed.

"A" hydrants.....	36
No. 1 hydrants.....	7
Total.....	43

TAPS.

Number of taps put in during the quarter.....	812
-----------------------------------------------	-----

METERS.

Number of meters placed during the quarter.....	537
Number of meters in use June 30, 1890.....	21,053
Total number in use September 30, 1890.....	21,590

REPLACING WATER-MAINS, ETC.

One contract has been entered into for relaying water-main on account of changes in the grades of the streets.

One contract for furnishing pipe has been completed.

A gang of men have been employed replacing mains, services, etc., on South and connecting streets, from Fulton to Roosevelt street, and in changing pipes in the Twenty-fourth Ward, made necessary by the sinking of the tracks of the Harlem Railroad.

ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

A contract was entered into for this work and operation commenced in August and is progressing favorably.

WASTE AND USE OF WATER.

Water from the New Aqueduct was first received into the reservoirs in Central Park on July 15, 1890, and continued until August 6, when it was shut off for repairs until August 25, 1890, since which time it has again been running to date. It will be shut off at least twice hereafter to continue repairs. An increased pressure has been furnished throughout the city of from 20 to 25 feet, except in that portion furnished with high service water, in which portion of the City the pressure will be increased as soon as the new pumping engine at Ninety-eighth street, now under contract, is in place. The supply will not be steady until the New Aqueduct is fully completed, as the reservoirs have to furnish the increased supply when the New Aqueduct is shut off for repairs. I am in hopes that during the next quarter all will be completed and a regular increased supply obtained throughout the city.

Yours, respectfully,

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

Document "E."

REPORT OF THE WATER PURVEYOR.

DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, No. 31 CHAMBERS STREET, ROOM 1,
New York, October 1, 1890.

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

SIR—I have the honor to submit herewith a report of the transactions of this Bureau for the quarter ending September 30, 1890:

RECEIPTS.

The following amounts have been received and deposited with the City Chamberlain:	
For permits to construct vaults.....	\$37,778 47
For labor and materials furnished.....	365 84
Total receipts.....	\$38,144 31

EXPENDITURES.

348 vouchers, amounting in the aggregate to one million twenty-two thousand and eleven dollars and nineteen cents (\$1,220,011.19), were transmitted, as follows:

Public Drinking-hydrants, 1890.....	\$371 47
Public Drinking-hydrants—Salaries.....	300 00
Repairs and Renewal of Pavements and Regrading, 1889.....	1,486 82
Repairs and Renewal of Pavements and Regrading, 1890.....	117,131 82
Repairs and Renewal of Pavements and Regrading—Salaries.....	3,534 96
Repaving Streets and Avenues, 1888.....	3,024 70
Repaving Streets and Avenues, 1889.....	94,315 82
Repaving Streets and Avenues, 1890.....	35,735 10
Repaving Streets and Avenues—Salaries.....	3,609 25
Repairing and Renewal of Pipes, Stop-cocks, etc.....	31,504 91
Street Improvement Fund.....	211,305 52
Restoring and Repaving—Special Fund—Department of Public Works.....	9,123 00
Repaving, chapter 346, Laws of 1889, 1889.....	398,964 55
Repaving, chapter 346, Laws of 1889, 1890.....	111,587 52
Contingencies—Department of Public Works.....	15 75
Total.....	\$1,022,011 19

The amount of transmittals prior to July 1 was \$718,841.65, making the total to date \$1,740,852.84, and to show how the business of the Bureau has increased, this amount is compared with amounts transmitted during the same period in former years, as follows:

Total expenditures, January 1 to October 1, 1886.....	\$391,123 44
" " " " " " 1, 1887.....	892,558 49
" " " " " " 1, 1888.....	996,704 80
" " " " " " 1, 1889.....	775,304 53
" " " " " " 1, 1890.....	1,740,852 84

PERMITS ISSUED.

107 for the construction of vaults.
67 for repairing vaults.
208 for erecting guy posts.
92 for building fires on the streets for roofing purposes, etc.
173 for repairing pavements at the expense of citizens.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The average force employed in making repairs to pavements was—

In July.....	220	mechanics,	282	laborers,	78	carts,	4	teams.
In August.....	222	"	284	"	78	"	5	"
In September.....	225	"	288	"	78	"	5	"

There were 77 days in this period, not counting Sundays, out of which 20 days were lost by reason of rainy weather, leaving 57 actual working days, during which the above force took up and relaid 136,171 square yards of pavement.

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

The average force employed was :

In July.....	29	mechanics,	94	laborers,	15	carts.
In August.....	29	"	95	"	15	"
In September.....	29	"	94	"	15	"

The work done by this force consisted of putting in 7 new fire-hydrants, replacing 146 old fire-hydrants with new ones, repairing leaks and breaks in Croton mains and water-pipes, repairing pavement where disturbed for these purposes and various other things belonging to this branch of the Department service.

PUBLIC DRINKING-HYDRANTS.

46 public drinking-hydrants were repaired.

These repairs were made under the direct supervision of a competent inspector who has kept a strict account of the time employed and materials used. The inspector also keeps a general watch over all the public drinking-hydrants in New York City, not only below the Harlem river but above as well. Several resolutions have been introduced and approved for the location of new public drinking-hydrants, and it is the intention of the bureau to place many of them before the end of the year so that they may be available early next spring.

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

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

Granite-block Pavement on Concrete Foundation.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Catharine street.....	Division to Cherry street.....	3,681.95	1,426.5
Harrison street.....	Hudson to Washington street.....	2,275.30	550.5
Desbrosses street.....	Hudson to Greenwich street.....	1,462.50	369.6
Whitehall street.....	Beaver street to South Ferry.....	10,571.10	1,337.2
Washington street.....	Houston to Clarkson and from King to Charlton street.....	916.35	303.0
Total, including crosswalks.....		18,907.20	3,966.8

REPAVING (CHAPTER 346, LAWS OF 1889).

Granite-blocks on Concrete.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Thomas street.....	Church to Hudson street.....	1,446.43	665.0
Howard street.....	Broadway to Mercer street.....	579.60	210.5
Greenwich avenue.....	Eighth avenue to West Thirteenth street.....	665.22	171.0
Horatio street.....	Greenwich avenue to Fourth street.....	1,451.70	376.9
Varick street.....	Franklin to Canal street.....	3,852.55	1,047.4
Broome street.....	Centre street to Broadway.....	2,491.70	613.1
Bleecker street.....	Bowery to Crosby street.....	2,685.90	795.5
Spring street.....	Bowery to Broadway.....	4,150.93	982.3
Reade street.....	Elm to Washington street.....	6,740.60	1,929.0
Total, including crosswalks.....		24,065.63	6,790.7
Total area repaved with granite.....		42,972.83	10,757.5

Length in miles, 2.037.

Asphalt.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Thirty-third street.....	Madison avenue to Broadway.....	4,376.53	1,321.9
Thirty-sixth street.....	Fourth to Sixth avenue.....	6,108.10	1,822.0
Thirty-eighth street.....	Fourth to Madison avenue.....	1,453.40	436.3
Twenty-fifth street.....	Broadway to Sixth avenue.....	2,609.70	786.3
Thirty-second street.....	Madison to Fifth avenue.....	1,503.60	452.3
Fortieth street.....	Fourth to Fifth avenue.....	2,939.02	881.1
Fifty-eighth street.....	Fifth to Sixth avenue.....	3,130.15	941.2
Sixtieth street.....	Lexington to Fourth avenue.....	1,404.50	423.3
Hanover street.....	Pearl street to Exchange place.....	837.90	323.6
William street.....	Beaver to Wall street.....	982.60	427.5
Total, including crosswalks.....		25,245.50	7,815.5

RECAPITULATION.

Total repavement with granite-blocks.....	42,972.83	10,757.5
Total repavement with asphalt.....	25,245.50	7,815.5
Total repavement.....	68,218.33	18,573.0

Length of repavement in miles, 3.517.

The following is a brief summary of repaving work let out at contract since January 1, 1890.

Under Chapter 476, Laws of 1876.

Granite, square yards.....	74,266.00
Asphalt, ".....	11,833.00
	86,099.00

Under Chapter 346, Laws of 1889.

Granite, square yards.....	107,420.00
Asphalt, ".....	117,490.00
	224,910.00

Making a total of..... 311,009.00

The following is an estimate of the amount of repaving work actually performed during the year, having reference only to contracts entered into in 1890.

This estimate is based upon—

(A). Contracts wholly completed and accepted.

(B). Contracts substantially completed but not accepted, and

(C). Contracts upon which a certain amount of work has been performed.

Estimate of repaving work completed since January 1, 1890, referring only to work let in 1890:

Under Chapter 476, Laws of 1876.

Granite, square yards.....	33,970.00
Asphalt.....	11,800.00
	45,770.00

Under Chapter 376, Laws of 1889.

Granite, square yards.....	11,300.00
Asphalt, ".....	88,150.00
	99,450.00

Making a total repavement of..... 145,220.00

—or about 47 per cent. of the whole number of yards let.

Work on Broadway, Canal street, Pearl street and Park Row, contracts aggregating 112,000 square yards, would have been well advanced had it not been for delays by railroads and subways.

The contractor who is to repave Broadway has also a contract with the Broadway and Seventh Avenue Railroad Company to put in the cable. Soundings are being made for the cable trench, and it is expected that this preliminary work will be completed so that the actual work of laying the pavement will be commenced before the close of the present paving season.

NEW PAVEMENTS UNDER ASSESSMENT.

The following contracts were completed and accepted during the quarter :

Granite-block Pavements.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
One Hundred and Fourteenth street.....	Eighth to Manhattan avenue.....	1,305.00	391.5
One Hundredth street.....	Boulevard to Riverside Drive.....	1,382.16	956.0
Sixty-sixth street.....	Eighth to Ninth avenue.....	2,753.66	827.0
Sixty-fifth street.....	Tenth avenue to Boulevard.....	2,452.55	737.0
Fifty-third street.....	Tenth to Eleventh avenue.....	2,755.80	831.5
One Hundred and Forty-sixth street.....	St. Nicholas to Tenth avenue.....	2,769.66	833.0
Seventy-seventh street.....	Boulevard to Riverside Drive.....	2,652.00	795.5
One Hundred and Thirty-sixth street.....	Seventh to Eighth avenue.....	2,698.00	817.0
Avenue B.....	Seventy-ninth to Eighty-sixth street.....	12,336.88	1,816.0
One Hundred and First street.....	Ninth to Tenth avenue.....	2,717.00	816.3
Seventieth street.....	Eighth to Ninth avenue.....	2,750.66	826.0
Eighty-eighth street.....	West End avenue to Riverside Drive.....	2,737.00	819.5
Total, including crosswalks.....		39,310.37	10,466.3

Under the provisions of chapter 449 of the Laws of 1889, which authorizes the paving of streets lying within the limits of grants of land under water after the approval of the proper ordinances, pavements were completed in the following-named streets :

Granite-block Pavements.

STREETS.	FROM	SQUARE YARDS.	LINEAL FEET.
Fifteenth street.....	Tenth avenue to Hudson river.....	3,287.77	935.00
Washington street.....	Clarkson to Spring street.....	3,538.92	1,152.50
Twentieth street.....	Tenth avenue to Hudson river.....	4,250.00	1,226.00
Houston street.....	Washington to West street.....	1,111.29	287.62
Leroy street.....	West to Washington street.....	706.33	199.91
Bank street.....	West to Washington street.....	1,145.00	275.00
Total, including crosswalks.....		14,030.31	4,077.03

Under the same authorization the following contract was completed :

Trap-block Pavement.

STREET.	FROM.	SQUARE YARDS.	LINEAL FEET.
Nineteenth street.....	Tenth avenue, to about 300 feet west.....	889.00	275.00

RECAPITULATION.

Granite-block pavement.....	39,310.37	10,466.30
Granite-block pavement (chapter 449, Laws of 1889).....	14,039.31	4,077.03
Trap-block pavement (chapter 449, Laws of 1889).....	889.00	275.00
Total of new pavements laid during the quarter.....	54,238.68	14,818.33

Length of new pavement, 2.806 miles.

SUMMARY OF CONTRACTS ENTERED INTO SINCE JANUARY 1, 1890.

Assessment Work.

Granite, square yards.....	108,491
Trap, ".....	2,690
Asphalt, ".....	34,741
	145,922

Assessment Work (Chapter 449, Laws of 1889.)

Granite, square yards.....	46,121
Trap, ".....	2,799
	48,920

Total let, square yards..... 194,842

ESTIMATE OF ASSESSMENT WORK COMPLETED IN 1890.

(Referring only to work contracted for in 1890.)

Granite, square yards.....	49,744
Asphalt, ".....	22,466
	72,210

(Chapter 449, Laws of 1889.)

Granite, square yards.....	23,232
Trap, ".....	889
	24,121

Total completed, square yards..... 96,331

Of the work referred to as having been let since January 1, 1890, 80,105 square yards have been let since August 1. It is estimated that at least ninety per cent. of the assessment work contracted this year will be completed before the 1st of January next, provided the weather is suitable.

STREET OPENINGS.

The following is a brief summary of this kind of work performed under the direct supervision of the General Inspector of Street Openings during the quarter:

7,037 openings made to repair mains and make repairs and connections for gas, steam, water, sewer, electric-light and subway service.

1,271 notices served on corporations, etc., to repair defective pavement over openings made.

1,133 such places repaired in accordance with such notices.

14.4 miles of gas-mains laid.

18.26 miles of subways laid.

774 feet of salt water-mains laid.

878 feet of refrigerating pipes laid.

5,498 feet of double rail car-tracks laid.

The following table shows the total areas and lengths of all the different kinds of pavements in New York below the Harlem river, September 30, 1890:

KIND OF PAVEMENT.	SQUARE YARDS.	LINEAL FEET.	MILES.
Specification granite	2,322,133.26	554,408.46	105.00
Block granite.....	673,152.00	136,667.00	25.88
Specification trap.....	1,249,417.82	356,096.90	67.44
Belgian blocks.....	2,980,109.71	677,388.60	128.30
Cobble.....	87,603.45	23,097.57	4.37
Asphalt.....	96,535.93	25,507.50	4.83
Wood	516.00	158.00	.03
Macadam	908,354.00	133,748.00	25.34
Total	8,317,822.17	1,907,072.03	361.19

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, October 3, 1890.

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 this office for the quarter ending September 30, 1890:

1,893 linear feet of new sewers and 6 receiving-basins have been built, making the present total length of the sewerage of the city 2,305,151 linear feet (436 ⁵/₁₀₀ miles), with 5,229 receiving-basins. 9 sewer and 6 basin contracts have been completed, viz.:

Sewer in One Hundred and Fifty-sixth street, between Tenth avenue and Avenue St. Nicholas.

Sewer in Washington street, between Beach and North Moore streets.

Sewer in One Hundredth street, between Fourth and Madison avenues.

Sewer in One Hundred and Forty-third street, between Eighth and Bradhurst avenues.

Sewer in Twelfth avenue, between Thirty-ninth and Fortieth streets, etc.

Sewer in Seventy-eighth street, between Boulevard and West End avenue.

Extension of sewer outlet in Eleventh street, at East river.

Repairs to sewer in Boulevard, west side, between Eighty-fourth and Eighty-fifth streets.

Repairs to sewer in Seventy-first street, between Eighth and Ninth avenues.

Catch-basin, southeast corner of Sixty-sixth street and Boulevard.

Receiving-basin, southeast corner of Sixty-fourth street and Boulevard.

Receiving-basin, southeast corner of Seventy-fourth street and Boulevard.

Receiving-basin, southwest corner of Seventy-fourth street and Boulevard.

Receiving-basin, southeast corner of Sixty-fifth street and Ninth avenue.

Receiving-basin, southeast corner of Seventy-eighth street and West End avenue.

There are now in progress 33 contracts for new sewers and 3 contracts for repairs to sewers. 1,205 receiving-basins and 86,038 linear feet of sewer have been cleaned.

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

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING SEPTEMBER 30, 1890.

Credit to General Fund—	
Amount received for 304 permits for sewer connections.....	\$8,129 40
Engineers' Fees—	
Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund.....	\$2,369 03
Sewers—Repairing and Cleaning—	
Balance on hand, June 30, 1890.....	\$98,473 73
Vouchers transmitted to the Commissioner of Public Works—	
Pay-roll of Laborers, etc.....	\$20,220 25
Repairing and Cleaning (under \$1,000).....	13,954 79
Materials and sundries.....	2,261 32
Balance on hand, September 30, 1890.....	62,037 37
	98,473 73
Sewers—Repairing and Cleaning for 1889—	
Balance on hand, June 30, 1890.....	\$2,682 22
Vouchers transmitted to the Commissioner of Public Works—	
On contracts	\$279 99
Balance on hand, September 30, 1890	2,402 23
	2,682 22
Sewers—Repairing and Cleaning—Salaries—	
Balance on hand June 30, 1890.....	\$5,020 04
Vouchers transmitted to the Commissioner of Public Works—	
Pay-roll of Inspectors, etc.....	\$2,469 98
Balance on hand, September 30, 1890	2,550 06
	5,020 04
Sewerage System—Salaries—	
Balance on hand, June 30, 1890	\$4,804 65
Vouchers transmitted to the Commissioner of Public Works—	
Pay-roll of Engineers, etc.....	\$2,137 50
Balance on hand, September 30, 1890.....	2,667 15
	4,804 65
Boring Examinations for Grading and Sewer Contracts—	
Balance on hand, June 30, 1890.....	\$1,921 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-roll of Axeman, etc.....	\$1,521 05
Balance on hand, September 30, 1890.....	399 95
	1,921 00
Restoring and Repaving—Special Fund—	
Amount received for permits for street openings.....	\$6,035 50

Street Improvement Fund—

Vouchers transmitted to the Commissioner of Public Works—	
Pay-roll of Engineers, etc.....	\$14,780 38
On contracts for sewers, etc.....	66,270 92
	\$81,051 30

Work done by Mechanics and Laborers—

132 receiving-basins relieved.	
1,205 receiving-basins and culverts cleaned.	
17,696 lineal feet of sewer cleaned.	
92,909 lineal feet of sewer examined.	
270 lineal feet of sewer relieved.	
250 lineal feet of brick sewer repaired.	
80 lineal feet of brick sewer rebuilt.	
8 lineal feet of brick culvert rebuilt.	
159 lineal feet of new culvert pipe laid.	
45 lineal feet of spur pipe laid.	
33 lineal feet of new curb set.	
2 new basins built.	
15 basins repaired.	
1 new manhole built.	
1 new bulkhead built.	
442 manhole heads reset.	
11 basin heads reset.	
57 manhole heads and covers put on.	
16 manhole covers put on.	
22 basin covers put on.	
2,268 cubic feet of brickwork built.	
258 square feet of flagging relaid.	
298 square yards of pavement relaid.	
22,346 cubic yards of earth excavated and refilled.	
51 cart-loads of earth filling.	
3,829 cart-loads of dirt removed.	

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, September 30, 1890.

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

SIR—In accordance with your instructions, I have the honor to herewith submit my report of the transactions of Bureau of Street Improvements for the quarter ending September 30, 1890:

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

STATEMENT OF AMOUNT OF WORK DONE DURING THE QUARTER ENDING SEPTEMBER 30, 1890.

Earth excavation	cubic yards.	5,498
Rock excavation.....	"	16,884
Filling furnished.....	"	63,429
Curb-stones set	linear feet.	19,571 ⁶ / ₁₀₀
" reset.....	"	10,835 ¹ / ₁₀₀
Flagging laid	square feet.	210,183 ² / ₁₀₀
" relaid	"	58,081 ¹ / ₁₀₀
Picket fence.....	linear feet.	1,241 ³ / ₂
Aqueduct excavation	cubic yards.	153
Dry stone box culvert	linear feet.	10

AMOUNT OF VOUCHERS DRAWN.

On account of—	
Street Improvement Fund.....	\$97,898 25
Street Improvements—For Surveying, Monumenting and Numbering of Streets..	570 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	21 00
Retaining-walls foot of East Forty-second and East Fifty-first Streets.....	1,333 50
Contingencies—Department of Public Works.....	285 10
Total	\$100,107 85

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting and Numbering of Streets.....	\$3,000 00
Amount of vouchers drawn during first quarter.....	\$566 00
Amount of vouchers drawn during second quarter.....	653 00
Amount of vouchers drawn during third quarter.....	570 00
Outstanding liabilities estimated.....	784 00
Balance estimated	427 00
	3,000 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$3,000 00
Amount of vouchers drawn during second quarter.....	\$226 83
Amount of vouchers drawn during third quarter.....	21 00
Outstanding liabilities estimated	765 00
Balance estimated.....	1,997 17
	3,000 00
Retaining-walls in East Forty-second street and East Fifty-first street—	
Amount of vouchers drawn during second quarter.....	\$244 00
Amount of vouchers drawn during third quarter	1,333 50
	\$1,577 50
Contingencies—Department of Public Works—	
Amount of vouchers drawn during quarter.....	\$285 10

Works Completed.

Regulating, grading, etc.—	
One Hundred and Forty-seventh street, from Eighth avenue to Harlem river	\$15,437 45
One Hundred and Eighty-first street, from Tenth to Eleventh avenue.....	16,008 53
One Hundred and Seventh street, from Ninth to Tenth avenue....	3,735 28
One Hundred and Forty-second street, from Eighth avenue to first new avenue west	2,338 69
One Hundred and Ninth street, from Ninth avenue to Riverside Drive.....	18,642 52
	\$56,162 47
Flagging, etc.—	
One Hundredth street, from Ninth to Tenth avenue	\$382 66
Eighty-fourth street, from West End avenue to Riverside Drive...	1,235 71
East side Seventh avenue, from One Hundred and Twenty-first to One Hundred and Twenty-fifth street.....	352 63
West side Fifth avenue, from One Hundred and Sixteenth to One Hundred and Eighteenth street, etc.....	377 09
East side Tenth avenue, from One Hundred and Forty-fourth to One Hundred and Forty-fifth street.....	265 92
West side Park avenue, from One Hundred and Fifteenth to One Hundred and Eighteenth street	568 21
West side Tenth avenue, from One Hundred and Forty-ninth to One Hundred and Fiftieth street	279 53
West side Ninth avenue, from Eighty-fourth to Eighty-fifth street, etc.....	622 91
One Hundred and Twelfth street, from Fifth to Lenox avenue	338 85
West side Boulevard, from Sixty-fifth to Sixty-sixth street, etc....	297 38
Southwest corner Canal and Mott streets	195 93
Ninetieth street, from Madison to Park avenue	405 29
West side Tenth avenue, from Eighty-seventh to Eighty-eighth street	132 69

Flagging, etc.—

West side Pleasant avenue, from One Hundred and Nineteenth to One Hundred and Twentieth street	\$545 90
South side Seventieth street, from Tenth to West End avenue	1,366 03
Madison avenue, from One Hundred and Thirty-fifth to One Hundred and Thirty-seventh street	1,670 48
Eighty-first street, from Tenth avenue to Boulevard	1,200 68
East side Madison avenue, from One Hundred and Thirtieth to One Hundred and Thirty-first street, etc	265 60
One Hundred and Forty-first street, from St. Nicholas to Convent avenue	434 94
Seventieth street, from First avenue to East river	5,270 82
North side Ninety-seventh street, from Third to Park avenue	808 97
East side Beekman place, from Forty-ninth to Fiftieth street	175 01
West side Madison avenue, from Ninety-sixth to Ninety-seventh street	483 37
West side Madison avenue, from One Hundred and Second to One Hundred and Third street	107 33
South side Seventy-second street, from First avenue to Avenue A ..	407 70
One Hundred and Thirty-fourth street, from Park to Madison avenue ..	984 29
South side One Hundred and Twenty-fifth street, from Eighth to St. Nicholas avenue	404 85
South side Eighty-first street, from Ninth to Tenth avenue	234 27
North side Sixty-ninth street, from Ninth avenue to Boulevard	596 75
Seventy-sixth street, from Tenth avenue to Boulevard	1,168 89
Northeast corner West Broadway and Walker street, etc	541 49
Eighty-sixth street, from Eighth avenue to Riverside Drive	5,870 99
North side One Hundred and Thirteenth street, from Seventh to Eighth avenue, etc	993 49

Flagging, etc.—

West side Eighth avenue, from Ninety-fourth to Ninety-eighth street, etc	\$1,921 22
Fiftieth street, from Avenue A to Avenue B	1,882 80
East side Fifth avenue, from Seventy-second to Seventy-ninth street ..	1,564 98
One Hundred and Thirtieth street, from Broadway to Tenth avenue ..	888 39
North side One Hundred and Thirty-eighth street, from Tenth avenue to Hamilton place	686 69
South side Sixtieth street, from First avenue to Avenue A	407 60
South side North Moore street, from West Broadway to Varick street	306 46
Eightieth street, from Ninth to Tenth avenue	1,455 16
North side One Hundred and Seventeenth street, from Park to Madison avenue	351 07
Fencing vacant lots—	
North side Eighty-fourth street, 230 feet east of Riverside Drive ..	\$111 89
Boulevard, between Eighty-sixth and Eighty-eighth streets	209 44
North side One Hundred and Tenth street, between Fifth and Lenox avenue	346 57
	667 90
Total	\$95,281 48

RECAPITULATION.

5 contracts for regulating, grading, etc	\$56,162 47
42 contracts for flagging	38,451 11
3 contracts for fencing vacant lots	667 90
Total	\$95,281 48

Statement showing Works under Contract in Bureau of Street Improvements on the 30th day of September, 1890.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<i>Street Improvement Fund.</i>									
Kingsbridge road, One Hundred and Ninetieth street to Harlem river ..	B. F. Coleman	J. McI. Smith	Frederick G. Fay ..	300 days.	\$204,990 00	\$157,082 00	\$47,124 00	\$109,956 00	
Edgcombe avenue, One Hundred and Forty-fifth street to St. Nicholas place	John F. Dawson	J. McI. Smith	Leander Buck	300 "	86,826 06	154,794 75	49,438 42	115,356 33	
Claremont avenue, One Hundred and Twenty-second to One Hundred and Twenty-seventh street	Benjamin J. Carr, Jr. ..	Thomas Slaton	David Simmons	200 "	17,368 88	4,135 00	1,240 50	2,894 50	
Fifth avenue, One Hundred and Thirty-eighth street to Harlem river ..	Jerome Finn	James R. Wardlaw ..	B. V. Frazer	300 "	18,817 24	15,410 00	4,623 00	10,787 00	
Edgcombe avenue, One Hundred and Forty-first to One Hundred and Forty-fifth street	John J. Hopper	George A. Wheeler ..	Martin Fallon	45 "	1,454 02				Completed, but not yet accepted.
Boulevard, west side, Seventy-third to Seventy-fourth street	A. E. Moran	M. Cox	James H. Lowery ..	7 "	646 83				Completed, but not yet accepted.
Boulevard, Eighty-third to Eighty-fourth street	Thomas J. Dunn	Wm. H. Bostwick ..		7 "	2,185 20				Completed, but not yet accepted.
Twentieth street, south side, Avenue A to Avenue B	Thomas J. Dunn	R. L. Waters	George Hornum ..	4 "	1,169 50				Completed, but not yet accepted.
Forty-fourth street, north side, Second to Third avenue	Thomas J. Dunn	M. Cox	George Hornum ..	3 "	537 00				Completed, but not yet accepted.
Sixty-ninth and Seventieth streets, Boulevard to West End avenue	Thomas J. Dunn	R. Amerman	Thomas P. Moore ..	8 "	3,043 74				Completed, but not yet accepted.
Seventy-fourth street, Fifth to Lexington avenue	Thomas Callanan	Thomas Slaton	Thomas W. Gibbons ..	4 "	631 56				Completed, but not yet accepted.
Seventy-eighth street, Tenth avenue to Boulevard	Michael Fay	Wm. H. Bostwick ..		7 "	406 68				Work not yet commenced.
Eighty-fourth street, Eighth to Ninth avenue	Thomas J. Dunn	B. R. Guion	John Lawrence	5 "	1,006 96				Completed, but not yet accepted.
Eighty-sixth street, north side, First to Second avenue	Michael Gavin	E. C. Stout		7 "	423 41				Work not yet commenced.
Ninety-first street, Ninth to Tenth avenue	M. Fortunato	R. Amerman	M. T. Griffin	100 "	13,292 10	9,612 80	2,883 84	6,728 96	Completed, but not accepted.
Ninety-sixth street, Eighth avenue to Boulevard	Thomas J. Dunn	R. L. Waters	Theophilus Pratt ..	15 "	588 70				
Ninety-sixth street, Eighth avenue to Boulevard	Thomas Callanan	R. L. Waters	Theophilus Pratt ..	15 "	2,814 25				
One Hundred and Sixth street, Boulevard to Riverside Drive	John Cahill	P. H. Sullivan	P. H. Sullivan	150 "	22,350 35	12,226 00	3,667 80	8,558 20	
One Hundred and Eleventh street, north side, Madison to Fifth avenue ..	Thomas Callanan	F. E. Towle	Thomas P. Moore ..	3 "	231 75				Completed, but not accepted.
One Hundred and Eleventh street, Fifth to Sixth avenue	John J. Farley	M. A. Lacy	Charles J. McGuire ..	150 "	1,807 70				
One Hundred and Twenty-third street, Tenth avenue to Boulevard	M. Fortunato	F. E. Towle	Bernard Martin	200 "	10,815 00	4,487 00	1,346 10	3,145 90	
One Hundred and Thirtieth street, Boulevard to Twelfth avenue	John J. Hopper	Geo. A. Wheeler ..	Chas. W. McCusker ..	150 "	4,568 15				
One Hundred and Thirty-third street, Seventh to Eighth avenue	Thomas J. Dunn	B. R. Guion	Thomas W. Gibbons ..	6 "	1,015 32				Completed, but not accepted.
One Hundred and Thirty-ninth street, Tenth avenue to 425 feet west of Boulevard	R. McLaughlin	R. L. Waters	L. A. Russell, Jr. ..	100 "	11,402 82	5,103 00	1,530 90	3,572 10	
One Hundred and Fortieth street, Seventh to Eighth avenue	John J. Farley	R. Amerman	R. V. Davis	75 "	3,502 90				
One Hundred and Forty-third street, Seventh avenue to Harlem river ..	R. McLaughlin	Geo. A. Wheeler ..		250 "	12,303 30				Work not yet commenced.
One Hundred and Forty-sixth street, Eighth avenue to Harlem river ..	Charles V. Hough	E. L. Viele	James Kearney	250 "	15,931 60	9,757 25	2,927 17	6,830 08	
One Hundred and Forty-seventh street, Tenth avenue to Boulevard	M. Fortunato	M. A. Lacy	John McCue	150 "	15,576 52	13,218 96	3,665 69	9,253 27	
One Hundred and Forty-seventh street, Boulevard to 500 feet west	Harry Van Zandt	R. J. Dodge	Dennis O. Connor ..	110 "	4,595 00				
One Hundred and Forty-eighth street, St. Nicholas avenue to Boulevard ..	James Leeson	R. Amerman	J. L. Brown	100 "	9,448 67	1,576 21	472 86	1,103 35	
One Hundred and Forty-ninth street, Tenth avenue to Western Boulevard ..	William G. Leeson	F. E. Towle	E. F. Smith	200 "	14,259 52	2,375 00	712 50	1,662 50	
One Hundred and Forty-ninth street, St. Nicholas avenue to Boulevard ..	William J. Kelly	F. E. Towle		35 "	3,042 04				Work not yet commenced.
Jumel Terrace, One Hundred and Sixtieth to One Hundred and Sixty-first street	R. McLaughlin	L. A. Risse		100 "	4,069 87				
One Hundred and Forty-second street, Seventh avenue to Harlem river ..	R. McLaughlin	M. A. Lacy		250 "	11,671 93				
<i>Special Contracts.</i>									
One Hundred and Eleventh street, Eighth to Manhattan avenue	Thomas F. Murray	Thomas Slaton	James McShane	75 "	972 90				Work completed, but not accepted.
Ninety-fifth to Ninety-seventh street, Madison to Fifth avenue	F. Thilemann, Jr.	F. E. Towle		10 "	761 75				
Lenox avenue, north side, One Hundred and Twenty-first to One Hundred and Twenty-second street, etc	Thomas J. Dunn	L. A. Risse		2 "	154 48				Work completed, but not accepted.
Sixty-ninth street, north side, east of Boulevard	Patrick Larney	L. A. Risse		1 "	38 75				Work not yet commenced.
Eight avenue, southeast corner, and One Hundred and First street	Patrick Larney	E. C. Stout		2 "	131 00				
Totals ..					\$505,573 45	\$399,775 97	\$119,932 78	\$279,843 19	

Document "H."

REPORT OF THE SUPERINTENDENT OF STREETS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, ROOM 12, NO. 31 CHAMBERS STREET,
NEW YORK, October 11, 1890.

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

SIR—I transmit herewith report of the work done by this Bureau during the quarter ending September 30, 1890.

Respectfully,
JOHN B. SHEA, Superintendent of Streets.

The following is the work done on macadamized roadways during the quarter ending September 30, 1890:

Roadway resurfaced and repaired	53,574 square yards.
Gravel roadway repaired	358 "
Gutters repaved	420 "
Flagging relaid	652 square feet.
Curb reset	40 lineal feet.
Old sand and gravel respread	42 truck loads.
Gneiss stone broken	33 "
Gravel spread	150 cubic yards.

The following material was used by the bureau during the quarter:

Broken stone	810 truck loads.
Trap-rock screenings	436 "
Gravel	310 "
Sand	170 "
Paving stones	3 "

162 truck loads of stone were broken.
The roadway and gutters of 26 miles of streets were cleaned at various times during the quarter.

3,239 truck loads of material were removed.
The macadam pavement over 6 sewer connections was repaired. For this purpose 21 truck loads of broken stone, 31 of Telford and 2 of sand, were used.

The following is the work done on unpaved streets during the quarter ending September 30, 1890:

Roadway macadamized with rubble and broken gneiss	666 square yards.
Roadway regulated and graded and gutter cleaned	7 miles.
Roadway laid with rubble and clay	1,010 square yards.
Stone-drain cleaned and repaired	50 lineal feet.

In making the above mentioned repairs there were used, of

Earth	1,223 truck loads.
Stone	827 "
Broken stone	338 "

86 truck loads of material were removed.

Fort Washington avenue has been practically regraded from One Hundred and Fifty-ninth street to One Hundred and Ninety-fifth street.

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

Boulevards, Roads and Avenues, Maintenance of, 1890	\$100,000 00
Amount transmitted during the first quarter ending March 31, 1890	9,917 23

Balance, April 1, 1890

Amount transmitted during the second quarter ending June 30, 1890	\$90,082 77
-------------------------------------------------------------------------	-------------

Balance, July 1, 1890

Amount transmitted during the third quarter ending September 30, 1890, is as follows:	\$49,121 23
---------------------------------------------------------------------------------------	-------------

Pay-roll, Laborers, etc., ending June 30, 1890	\$7,003 59
" " July 5, "	1,131 49
" " " 12, "	1,926 04
" " " 19, "	1,958 31
" " " 26, "	1,792 10
" " August 2, "	1,912 99
" " " 9, "	1,624 18
" " " 16, "	1,672 61
" " " 23, "	1,609 92
" " " 30, "	1,709 23
" " September 6, "	1,591 11
" " " 13, "	1,635 48
" " " 20, "	1,372 47
" " " 27, "	1,401 55

Use of horse.....	\$360 00
Rental of yard.....	900 00
Hardware.....	141 58
Repairs to sprinklers.....	75 10
Paints, etc.....	31 90
Resurfacing One Hundred and Sixteenth street.....	6,044 58
Telephone service.....	33 75
Trap-rock screenings.....	4,493 60
Repairs to road-rollers.....	341 01
Coal.....	115 00

\$40,877 59

Balance, October 1, 1890.....\$8,243 64

Roads, Streets and Avenues Unpaved—

Maintenance of and Sprinkling, 1890.....	\$25,000 00
Amount transmitted during the first quarter ending March 31, 1890.....	3,777 31

Balance, April 1, 1890.....\$21,222 69

Amount transmitted during the second quarter ending June 30, 1890.....5,423 85

Balance, July 1, 1890.....\$15,798 84

Amount transmitted during the third quarter ending September 30, 1890, is as follows :

Pay-roll, Laborers, etc., ending June 30, 1890.....	\$1,345 31
“ “ July 5, “.....	439 25
“ “ “ 12, “.....	783 93
“ “ “ 19, “.....	788 56
“ “ “ 26, “.....	603 75
“ “ August 2, “.....	663 99
“ “ “ 9, “.....	575 49
“ “ “ 16, “.....	530 00
“ “ “ 23, “.....	470 50
“ “ “ 30, “.....	553 50
“ “ September 6, “.....	490 50
“ “ “ 13, “.....	477 50
“ “ “ 20, “.....	433 50
“ “ “ 27, “.....	809 50
Fence slats.....	10 53

8,975 81

Balance, September 30, 1890.....\$6,823 03

Boulevards, Roads and Avenues, Maintenance of—Salaries, 1890.....	\$2,500 00
Amount transmitted during the first quarter ending March 31, 1890.....	624 99

Balance, April 1, 1890.....\$1,875 01

Amount transmitted during the second quarter ending June 30, 1890.....624 99

Balance, June 30, 1890.....\$1,250 02

Amount transmitted during the third quarter ending September 30, 1890, is as follows :

Pay-roll ending July 30, 1890.....	\$208 33
“ “ August 31, “.....	208 33
“ “ September 30, “.....	208 33

624 99

Balance, September 30, 1890.....\$625 03

The following amount has been transmitted during the third quarter ending September 30, 1890, and charged to Street Improvement Fund :

Final contract.....	\$4,763 28
Pay-roll, Inspector of Crosswalks.....	126 00
Surveyors' fees.....	337 67

Total.....\$5,226 95

The following amount drawn against Restoring and Repaving—Special Fund.....\$592 62

Document “I.”

REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF LAMPS AND GAS, }
NEW YORK, October 7, 1890. }

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

SIR—Herein I submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending September 30, 1890.

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

Exhibit “B” is a summary of the appropriation for “Lamps and Gas and Electric Lighting,” showing an expenditure during the quarter of one hundred and eighty-six thousand seven hundred and fifty-eight dollars and fifty-two cents (\$186,758.52), with liabilities amounting to fifty-seven thousand nine hundred and twenty-two dollars and thirty-seven cents (\$57,922.37), leaving an available balance of one hundred and sixty-nine thousand one hundred and twenty-four dollars and twenty-four cents (\$169,124.24).

Exhibit “C” is a summary of the appropriation for “Lamps and Gas and Electric Lighting—Salaries,” showing an expenditure during the quarter of sixteen hundred and twenty-four dollars and ninety-five cents (\$1,624.95), leaving an available balance of sixteen hundred and sixty-eight dollars and sixteen cents (\$1,668.16).

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 one hundred and sixty-three new gas-lamps having been fitted up and lighted, one hundred and ten gas-lamps relighted, nine electric-lamps relighted, and one hundred and forty-five gas-lamps discontinued. The total number of public lamps lighted at the close of the quarter was twenty-eight thousand, being a net increase during the quarter of one hundred and thirty-seven.

Exhibit “E” is a statement showing the lowest, highest and average illuminating power of the gases supplied to the city by the several gas companies within reach of our photometric stations.

The following statement will show 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 Co.—			
Branch 1.....	4.10	6.45	None.
Branch 2.....	7.57	9.47	“
Branch 3.....	4.50	0.69	“
Branch 4.....	20.38	7.14	“
Branch 5.....	4.31	0.73	“
New York Mutual Gas-light Co.....	6.84	0.24	Trace.
Equitable Gas-light Co.....	6.60	0.18	None.

The following shows the specific gravity of the gases :

Consolidated Gas Co.—	
Branch 1, specific gravity.....	.582
Branch 2, “.....	.516
Branch 3, “.....	.644
Branch 4, “.....	.508
Branch 5, “.....	.620
New York Mutual Gas-light Co., specific gravity.....	.696
Equitable Gas-light Co., “.....	.682

The following statement will show 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 Co.—	Inches.	Inches.		Miles.
Branch 1.....	1.91	1.88	Cor. of Grand street and Bowery.	1.88
Branch 2.....	2.07	1.44	“ “	1.70
Branch 3.....	2.60	1.73	“ “	3.10
Branch 4.....	1.72	0.86	{ Seventy-ninth street, between } { Second and Third avenues. }	3.10
Branch 5.....	2.44	1.29	{ Seventy-ninth street, between } { Second and Third avenues. }	1.10
New York Mutual Gas-light Co.....	2.79	2.10	Cor. of Grand street and Bowery.	1.10
Equitable Gas-light Co.....	2.99	1.76	“ “	2.10

Contracts for lighting electric-lamps from May 1, 1890, to December 31, 1890, have been executed, as follows :

United States Illuminating Company.....	58 lamps at 25 cents per night.
“ “.....	18 “ 29 “
“ “.....	160 “ 35 “
Brush Electric Illuminating Company.....	7 “ 25 “
“ “.....	15 “ 29 “
“ “.....	133 “ 35 “
“ “.....	69 “ 45 “
East River Electric-light Company.....	33 “ 25 “
“ “.....	21 “ 29 “
“ “.....	135 “ 35 “
Harlem Lighting Company.....	104 “ 35 “
“ “.....	19 “ 50 “
Mount Morris Electric-light Company.....	28 “ 23 “
“ “.....	18 “ 24 “
“ “.....	11 “ 25 “
“ “.....	52 “ 35 “

The prices are the same as those mentioned in the contracts of the preceding year.

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 September 30, 1890 :

Washington Market.....	\$755 87
Catharine Country Market.....	37 13
Catharine Meat Market.....	18 62
Fulton Meat Market.....	176 75
Fulton Country Market.....	368 12
Essex Market.....	22 75
Centre Market.....	102 00
Clinton Market.....	181 88
Union Market.....	5 25
Tompkins Market.....	100 50
Jefferson Market.....	69 75
First District Police Court.....	262 62
Second District Police Court.....	51 88
Third District Police Court.....	32 50
Fourth District Police Court.....	83 00
Fifth District Police Court.....	4 26
First District Civil Court.....	1 99
Second District Civil Court.....	1 13
Fourth District Civil Court.....	8 75
Fifth District Civil Court.....	25 50
Sixth District Civil Court.....	1 25
Eighth District Civil Court.....	3 75
Ninth District Civil Court.....	4 87
Brown-stone (Court-room) Building.....	148 13
New Court-house.....	1,092 38
City Hall.....	451 24
Corporation Counsel's Office.....	6 50
Corporation Attorney's Office.....	30 87
Public Administrator's Office.....	2 25
Board of Assessors.....	8 25
Department of Public Works.....	173 63
Department of Taxes.....	6 25
Court of Special Sessions.....	31 24
CITY RECORD Bookbindery.....	3 01
Register's Office.....	54 62
County Jail.....	368 25
Pipe Yard, Rivington Street.....	2 62
Pipe Yard, East Twenty-fourth street.....	5 13
Water Purveyor's Shop, Mulberry street.....	75
Water Purveyor's Shop, West Thirtieth street.....	4 25
Water Purveyor's Shop, East Eighty-seventh street.....	4 38
Water Purveyor's Shop, East One Hundred and Twenty-fifth street.....	7 24
South Gate-house.....	39 14
Engine-house, High Water Service, High Bridge.....	70 25
Engine-house, High Water Service, Ninety-eighth street.....	217 24
Clock-tower, Third District Court-house.....	325 00
New York City Civil Service Board.....	2 50
Bureau of Streets and Roads, West One Hundred and Nineteenth street.....	3 37
Corporation Yard, East Sixteenth street.....	4 13
Dog Pound, East One Hundred and Second street.....	5 25
Photometric Station, Grand street.....	9 49
Photometric Station, Seventy-ninth street.....	38
Seventh Regiment Armory.....	197 00
Eighth Regiment Armory.....	448 13
Ninth Regiment Armory.....	42 75
Twelfth Regiment Armory.....	274 50
Twenty-second Regiment Armory.....	210 13
Sixty-ninth Regiment Armory.....	101 00
Seventy-first Regiment Armory.....	126 50
First Battery Armory.....	43 00
Second Battery Armory.....	40 75
Public Bath, Battery.....	25 38
“ Duane street, North river.....	31 87
“ Horatio street, North river.....	24 39
“ Market street, East river.....	22 99
“ Grand street, East river.....	30 76
“ Stanton street, East river.....	30 12
“ Nineteenth street, East river.....	20 50
“ Twenty-seventh street, North river.....	22 25

Public Bath, Thirty-seventh street, East river.....	\$19 75
" Fiftieth street, North river.....	27 51
" Fifty-first street, East river.....	20 12
" Seventy-eighth street, East river.....	21 62
" One Hundred and Twelfth street, East river.....	30 75
" One Hundred and Thirty-first street, North river.....	27 61
Cartages.....	380 00
Gas examinations.....	386 50
Lighting public markets, etc. (Pay-rolls).....	776 00
Cleaning Photometrical Rooms (Pay-rolls).....	15 00
New lamp-posts.....	4,130 33
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	139 24
New street-lamps.....	2,484 00
New Boulevard lamps.....	1,774 12
New crossheads.....	162 50
New lamp-iron.....	176 00
Repairing street-lamps.....	201 30
Glass.....	62 50
Street-signs.....	281 25
Lettering Boulevard globes.....	126 00
Rent of Photometrical rooms, Grand street.....	150 00
Rent of Photometrical rooms, Seventy-ninth street.....	90 00
Fitting up new lamps.....	704 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	320 00
Resetting and repairing lamp-posts.....	4,075 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	741 50
Lighting public lamps.....	88,258 13
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	37,280 69
Lighting electric-lamps.....	36,085 87
Lighting naphtha-lamps.....	776 25
Total.....	\$186,758 52

RECAPITULATION.

Gas to public offices, etc.....	\$7,176 24
Supplies to public lamps, etc.....	11,201 50
Supplies to public lamps, etc., Twenty-third and Twenty-fourth Wards.....	139 24
Fitting up new lamps.....	704 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	320 00
Resetting and repairing lamp-posts.....	4,075 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	741 50
Lighting public lamps.....	88,258 13
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	37,280 69
Lighting electric-lamps.....	36,085 97
Lighting naphtha-lamps.....	776 25
Total.....	\$186,758 52

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1890, Showing the Amount Expended during the Quarter ending September 30, 1890, and the Balance Standing to the Credit of the Appropriation.

Amount appropriated for "Lamps and Gas and Electric Lighting,".....	\$700,000 00
Amount expended during the quarter ending March 31.....	\$119,231 11
Amount expended during the quarter ending June 30.....	166,963 76
Amount expended during the quarter ending September 30.....	186,758 52
	472,953 39

Balance against which no vouchers have been drawn..... \$227,046 61

LIABILITIES.

Consolidated Gas Co., lighting public lamps, month of September.....	\$25,534 20
Standard Gas-light Co., ".....	1,793 18
Equitable Gas-light Co., ".....	3,868 17
New York Mutual Gas-light Co., ".....	422 20
Central Gas-light Co., ".....	6,171 75
Northern Gas-light Co., ".....	5,091 50
Yonkers Gas-light Co., ".....	1,299 67
New York and New Jersey Globe Gas-light Co., lighting public lamps, month of September.....	258 75
United States Illuminating Co., lighting public lamps, month of September.....	2,235 46
Brush Electric Illuminating Co., ".....	2,430 40
East River Electric-light Co., ".....	1,805 87
Mount Morris Electric-light Co., ".....	937 08
Harlem Lighting Co., ".....	1,364 70
Bartlett Lamp Mfg. Co., boulevard lamps.....	2,223 00
Wellington Mfg. Co., street lamps.....	1,932 00
Birdsall's Express, cartages.....	125 00
E. P. Gleason Mfg. Co., repairing street lamps.....	300 00
American Meter Co., sundries for photometric stations.....	54 35
Matthews Decorative Glass Co., glass street-signs.....	75 00
	57,922 37

Balance available September 30, 1890..... \$169,124 24

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1890, Showing the Amount Expended during the Quarter ending September 30, 1890, with Balance Standing to the Credit of the Appropriation.

Amount appropriated for "Lamps and Gas and Electric Lighting—Salaries,".....	\$6,500 00
Amount expended during the quarter ending March 31.....	\$1,581 94
Amount expended during the quarter ending June 30.....	1,624 95
Amount expended during the quarter ending September 30.....	1,624 95
	4,831 84

Balance available September 30, 1890..... \$1,668 16

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 September 30, 1890.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted June 30, 1890.....	3,347		
Number of new lamps lighted during the quarter.....	20		
Number of old lamps relighted during the quarter.....	18		
		3,385	
Less lamps discontinued during the quarter.....		11	
Number of lamps lighted September 30, 1890.....			3,374
CONSOLIDATED GAS COMPANY, BRANCH 2.			
Number of lamps lighted June 30, 1890.....	1,905		
Number of new lamps lighted during the quarter.....	2		
Number of old lamps relighted during the quarter.....	3		
		1,910	
Less lamps discontinued during the quarter.....	3		
Less lamps transferred to Standard Gas-light Co.....	213		
		216	
Number of lamps lighted September 30, 1890.....			1,694

CONSOLIDATED GAS COMPANY, BRANCH 3.			
Number of lamps lighted June 30, 1890.....	2,463		
Number of new lamps lighted during the quarter.....	5		
Number of old lamps relighted during the quarter.....	0		
		2,468	
Less lamps discontinued during the quarter.....	0		
Less lamps transferred to Standard Gas-light Co.....	421		
		421	
Number of lamps lighted September 30, 1890.....			2,047
CONSOLIDATED GAS COMPANY, BRANCH 4.			
Number of lamps lighted June 30, 1890.....	3,466		
Number of new lamps lighted during the quarter.....	27		
Number of old lamps relighted during the quarter.....	13		
		3,506	
Less lamps discontinued during the quarter.....	18		
Less lamps transferred to Standard Gas-light Co.....	61		
		79	
Number of lamps lighted September 30, 1890.....			3,427
CONSOLIDATED GAS COMPANY, BRANCH 6.			
Number of lamps lighted June 30, 1890.....	6,257		
Number of new lamps lighted during the quarter.....	83		
Number of old lamps relighted during the quarter.....	16		
		6,356	
Less lamps discontinued during the quarter.....	33		
Less lamps transferred to Standard Gas-light Co.....	1,050		
		1,083	
Number of lamps lighted September 30, 1890.....			5,273
Total number of lamps lighted by Consolidated Gas Company, September 30, 1890.....			15,815
STANDARD GAS-LIGHT COMPANY, MADISON SQUARE BRANCH.			
Number of lamps lighted June 30, 1890.....	0		
Number of new lamps lighted during the quarter.....	3		
Number of old lamps relighted during the quarter.....	0		
Number of lamps transferred from Consolidated Gas Co.....	765		
		768	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted September 30, 1890.....			768
STANDARD GAS-LIGHT COMPANY, HARLEM BRANCH.			
Number of lamps lighted June 30, 1890.....	0		
Number of new lamps lighted during the quarter.....	2		
Number of old lamps relighted during the quarter.....	0		
Number of lamps transferred from Consolidated Gas Co.....	980		
		982	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted September 30, 1890.....			982
Total number of lamps lighted by Standard Gas-light Company, September 30, 1890.....			1,750
NEW YORK MUTUAL GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1890.....	279		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	1		
		280	
Less lamps discontinued during the quarter.....		7	
Number of lamps lighted September 30, 1890.....			273
EQUITABLE GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1890.....	3,703		
Number of new lamps lighted during the quarter.....	10		
Number of old lamps relighted during the quarter.....	4		
		3,717	
Less lamps discontinued during the quarter.....		5	
Number of lamps lighted September 30, 1890.....			3,712
CENTRAL GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1890.....	2,697		
Number of new lamps lighted during the quarter.....	1		
Number of old lamps relighted during the quarter.....	55		
		2,753	
Less lamps discontinued during the quarter.....		57	
Number of lamps lighted September 30, 1890.....			2,696
NORTHERN GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1890.....	2,179		
Number of new lamps lighted during the quarter.....	10		
Number of old lamps relighted during the quarter.....	0		
		2,189	
Less lamps discontinued during the quarter.....		11	
Number of lamps lighted September 30, 1890.....			2,178
YONKERS GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1890.....	557		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0		
		557	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted September 30, 1890.....			557
Total number of gas-lamps lighted September 30, 1890.....			26,981

NAPHTHA-LAMPS.				Number of lamps transferred from Brush Electric Illuminating Company..			
NEW YORK AND NEW JERSEY GLOBE GAS-LIGHT COMPANY.				Less lamps discontinued during the quarter.....			
Number of lamps lighted June 30, 1890.....	138			40	189		
Number of new lamps lighted during the quarter.....	0				0		
Number of old lamps relighted during the quarter.....	0						189
Less lamps discontinued during the quarter.....		138					
Number of lamps lighted September 30, 1890.....			138				
Total number of naphtha-lamps lighted September 30, 1890.....			138				
ELECTRIC-LAMPS.				MOUNT MORRIS ELECTRIC-LIGHT COMPANY.			
BRUSH ELECTRIC ILLUMINATING COMPANY.				Number of lamps lighted June 30, 1890.....	57		
Number of lamps lighted June 30, 1890.....	278			Number of new lamps lighted during the quarter.....	0		
Number of new lamps lighted during the quarter.....	0			Number of old lamps relighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	1			Number of lamps transferred from United States Illuminating Company..	52	109	
Number of lamps transferred from United States Illuminating Company..	22			Less lamps discontinued during the quarter.....		0	
Less lamps discontinued during the quarter.....	0	301		Number of lamps lighted September 30, 1890.....			109
Less lamps transferred to East River Electric-light Company.....	40						
Less lamps transferred to Harlem Lighting Company.....	38						
		78					
Number of lamps lighted September 30, 1890.....			223				
UNITED STATES ILLUMINATING COMPANY.				HARLEM LIGHTING COMPANY.			
Number of lamps lighted June 30, 1890.....	384			Number of lamps lighted June 30, 1890.....	86		
Number of new lamps lighted during the quarter.....	0			Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	0			Number of old lamps relighted during the quarter.....	0		
Less lamps discontinued during the quarter.....	0	384		Number of lamps transferred from Brush Electric Illuminating Co.....	38	124	
Less lamps transferred to Brush Electric Illuminating Company.....	22			Less lamps discontinued during the quarter.....		0	
Less lamps transferred to East River Electric-light Company.....	74			Number of lamps lighted September 30, 1890.....			124
Less lamps transferred to Mt. Morris Electric-light Company.....	52			Total number of electric-lamps lighted September 30, 1890..			881
		148					
Number of lamps lighted September 30, 1890.....			236				
EAST RIVER ELECTRIC-LIGHT COMPANY.				RECAPITULATION FOR QUARTER.			
Number of lamps lighted June 30, 1890.....	67			Number of gas-lamps lighted June 30, 1890.....	26,853		
Number of new lamps lighted during the quarter.....	0			Number of naphtha-lamps lighted June 30, 1890.....	138		
Number of old lamps relighted during the quarter.....	0			Number of electric-lamps lighted June 30, 1890.....	872	27,863	
Number of lamps transferred from United States Illuminating Company...	74			Number of new gas-lamps lighted during the quarter.....	163		
				Number of new naphtha-lamps lighted during the quarter.....	0		
				Number of electric-lamps lighted during the quarter.....	0	163	
				Number of gas-lamps relighted during the quarter.....	110		
				Number of naphtha-lamps relighted during the quarter.....	0		
				Number of electric-lamps relighted during the quarter.....	9	119	28,145
				Less gas-lamps discontinued during the quarter.....		145	
				Less naphtha-lamps discontinued during the quarter.....		0	
				Less electric-lamps discontinued during the quarter.....		0	145
				Total number of lamps lighted September 30, 1890.....			28,000

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 September 30, 1890, as Shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.	CONSOLIDATED GAS CO., BRANCH 1.			CONSOLIDATED GAS CO., BRANCH 2.			CONSOLIDATED GAS CO., BRANCH 3.			CONSOLIDATED GAS CO., BRANCH 4.			CONSOLIDATED GAS CO., BRANCH 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.
July 5, 1890.....	23.91	25.20	24.48	22.13	23.48	22.78	28.42	28.86	28.61	21.98	23.50	22.82	25.15	26.95	25.85	30.03	31.16	30.52	29.08	30.97	29.95
" 12, "	22.58	25.10	24.24	20.76	23.19	21.78	27.26	28.60	28.12	21.66	23.85	22.82	26.46	27.04	26.78	28.25	30.02	29.45	27.72	29.99	29.20
" 19, "	22.66	24.58	23.87	19.35	21.07	20.24	26.88	28.94	28.32	21.30	23.82	23.09	24.14	27.70	26.46	28.84	30.76	30.01	27.96	29.14	28.43
" 26, "	20.60	24.03	22.79	18.72	20.70	19.72	27.47	28.78	28.33	23.08	24.10	23.61	24.89	28.21	26.71	30.02	30.86	30.49	26.86	28.30	27.77
Aug. 2, "	21.70	23.67	22.78	18.65	21.14	20.32	28.40	29.48	28.74	22.05	24.18	23.31	25.74	27.44	26.79	29.20	30.97	29.99	27.01	29.54	28.21
" 9, "	21.47	23.94	22.76	19.74	21.14	20.47	27.80	29.06	28.57	22.96	24.99	23.50	25.27	26.98	26.43	28.43	30.11	29.24	28.34	29.20	28.97
" 16, "	23.47	25.48	24.62	19.44	21.23	20.61	27.04	28.20	27.58	22.84	24.60	23.83	27.30	27.86	27.59	28.70	30.52	29.91	27.96	30.74	28.99
" 23, "	21.50	25.48	23.76	19.42	22.74	21.17	28.10	29.84	28.80	22.90	24.35	23.71	24.91	28.22	26.83	29.24	30.91	30.30	28.44	30.34	29.02
" 30, "	21.14	23.19	21.83	18.94	21.18	20.35	26.10	28.60	27.70	23.46	24.76	24.35	28.60	30.62	29.62	26.70	29.18	28.23	28.60	30.02	29.25
Sept. 6, "	21.08	25.88	23.36	19.68	21.61	20.81	27.36	29.04	28.15	22.06	24.60	23.37	27.14	29.20	27.97	27.08	30.76	29.18	29.00	30.60	29.93
" 13, "	22.24	23.14	22.73	19.37	21.14	20.18	27.17	30.24	28.34	21.94	23.00	22.48	26.28	27.48	27.06	28.14	31.46	30.04	28.34	31.08	29.14
" 20, "	22.04	24.68	22.85	19.66	20.94	20.04	26.10	28.41	27.02	22.21	23.72	23.04	26.80	29.70	27.68	27.60	30.90	29.19	28.88	29.71	29.41
" 27, "	22.28	24.57	23.63	19.30	21.68	20.54	27.24	29.60	28.14	20.53	22.70	21.82	25.44	28.43	27.50	28.50	30.84	29.66	28.68	29.44	29.14
For the Quarter.....	20.60	25.88	23.36	18.65	23.48	20.69	26.10	30.24	28.19	20.53	24.99	23.21	24.14	30.62	27.17	26.70	31.46	29.71	26.86	31.08	29.03
Distance from gas-works.....	1.86 Miles			1.10 Miles			3.84 Miles			3.10 Miles			1.10 Miles.....			1.01 Miles.....			2.10 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, October 3, 1890.

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 September 30, 1890. Among the principal items of work done by the Bureau were the following:

NEW CRIMINAL COURTS.

The excavation for the foundation of the above building began March 20. The trenches have been finished, and the excavation of the cellar is now almost completed. The exterior walls fronting on White, Centre, Elm and Franklin streets are up to the level of the street line, and nearly all the interior walls, excepting the walls of the cellar and boiler-rooms, are up to the level of the sidewalk.

At this time 34,000 yards of earth have been excavated, 3,951 piles have been driven in place to support foundations, leaving only 349 piles more to complete the piling; 1,400 cubic yards of concrete, composed of Portland cement, has been laid around pile heads, and 11,900 cubic feet of

granite base-blocks, well jointed, have been laid in place on piles for the foundations of the building; 2,242,000 bricks have been laid up in the walls, and 3,726 barrels of cement have been delivered and used on the work.

The cut granite ashler and moulded water table is being delivered at the grounds, and several pieces of the ashler have been set in place. The work is progressing vigorously. The materials of the various kinds and the workmanship are fully equal to the requirements of the specification.

THE NEW COURT-HOUSE.

The Supreme Court—Specifications were prepared for the painting and calcimining of the following rooms in this Court: The Judge's room, ante-room and private stairs, the library, Part II., Special Term room; Part I., Circuit and Oyer and Terminer; Part II., Circuit; Part III., Circuit; Part IV., Circuit, and ante room. This work was advertised and contracted for at a public letting, and has been completed in accordance with the contract and specifications. New carpets have been laid in the General Term room, on the Judge's bench in Part I., Part II., Part IV., and Chambers, and linoleum laid in Part IV. Six reversible rugs have been furnished for use of the Judge's room. The carpets in the library, Part II., Special Term, and Part III., Circuit, have been taken up, cleaned, relined and relaid; the curtains, lambrequins and window-shades in the Judge's room and library have been cleaned and repaired; six rotary desk chairs have been furnished, and ornamental zinc screens put up in front of the hot-air registers in the several rooms.

Superior Court—New carpets have been laid in Part II., and the old carpets in the Clerk's office, Part I., Part III., Part IV., and the ante-room to Part IV., have been taken up, cleaned, repaired and relaid with new lining; the window shades have been repaired and 24 new shades furnished and put up.

Court of Common Pleas—Two large reversible rugs have been furnished for use of the judges. The County Clerk's Office—The shelving in the old lis pendens room has been altered, new cases with sash doors, furnished with good locks, have been put up, and the room painted. A new swing door, with transom light, has been hung at the entrance to the new lis pendens room. The Reporters' room has been painted and new gas-fixtures put up. The elevators—the pistons and valves have been repacked, and the cars and safety planks adjusted. The three Keily steam-traps, and their connections, have been overhauled and put in thorough repair. Iron safety guards have been put on the second motion wheels of engines Nos. 2 and 3, and side oilers placed on the engine wheels.

THE CITY HALL.

The City Court—In Parts II. and III. the walls, woodwork and trim have been painted, ceilings calcimined in tints, hardwood work cleaned and varnished, and radiators bronzed. The carpets in Parts I., II., III. and "Special Term" have been taken up, cleaned and relaid with new lining. The flooring in the second-story corridor has been taken up and a new yellow pine floor laid to replace it, and some repairs have been made to the marble tiling in the corridor.

In the Mayor's office an ornamental gate with secret latch has been put up on the Stenographer's room, and two black walnut desks have been furnished.

The work of repairing the stone work of the north front of the building is progressing satisfactorily and will shortly be completed; 4 new galvanized iron leaders have been put up on the north front and the old leaders on the south and west fronts repaired; the chimneys have been cleaned and put in order for the winter; a ventilator 18 inches in diameter and 8 feet high has been put up over room No. 19, and the gutters on the north side of the building have been repaired and painted.

THE BROWN-STONE BUILDING.

The roof has been repaired, gutters relined where needed, new flashings put in and the roof given two coats of metallic paint. The steam pump used for working the elevator having become worn out beyond repair, a new Worthington duplex steam pump, with a maximum capacity of 410 gallons per minute and a minimum of not less than 245 gallons, has been ordered and will shortly be in position. The furnaces have been repaired and the chimneys cleaned, and four new galvanized iron chimney tops with swivel caps put on. Twelve arm chairs were furnished for the use of the jury in Part II., General Sessions.

HALL OF RECORDS.

The cellar has been thoroughly cleaned, the furnaces repaired, chimneys cleaned, two new galvanized iron chimney tops with Emerson caps put on. The hot air registers cleaned and repaired. The safe on the second floor has been repaired, and new keys for the safe on the first floor, and the new tables on the upper floor have been filled, rubbed and varnished.

NO. 31 CHAMBERS STREET.

A pine paneled partition was put up in the basement to inclose a room, 19 feet by 25 feet, the plastering repaired, walls painted and ceiling calcimined.

A new yellow pine floor was laid in front of the desk in the Water Register's office.

A black walnut case of pigeon holes, three closets, a desk and drawers were put up in room No. 12.

Speaking tubes were put in to connect the offices of the Commissioner of Public Works and Water Purveyor, rooms Nos. 14 and 19, and the Water Register's office with room No. 10.

A set of metallic circuit telephone instruments were put up in the office of the Commissioner of Public Works. Two desks and a rotary chair were furnished for use of the Water Purveyor, and an iron railing with ash top rail was put up in room No. 19.

THE MARKETS.

Washington Market—The roof has been repaired over stands Nos. 67, 114, 119, 169 and 170. The gutters repaired in several places, some new leader pipe furnished and a new cast-iron shoe for leader put in.

West Washington Market—On the morning of the 25th of August a fire broke out and destroyed the whole upper part of the building bounded by Grace, Thompson, Lawton and Thirteenth avenues. Measures were at once taken to secure the ruins against further accident, and awnings were provided to protect the standholders from the weather until such time as the repairs were made. A specification for the necessary repairs to the building was prepared, and the contract for the work awarded at a public letting. The work will now be proceeded with without further delay. The rain water leaders at No. 33 Loew avenue and No. 49 Thompson avenue were repaired and painted and some new leader pipe furnished.

Fulton Market—The old flooring under stands Nos. 1 and 3 was taken up, the ice-house and office jacked up to a proper level, the space underneath filled in with clean earth, well rammed, and a new 2-inch yellow pine floor laid on chestnut sleepers, and the flooring in the gangway in front of the stands leveled and blocked up. The roof over Dorlon & Shafer's, A. B. Carley's and A. P. Dorlon's restaurants, and over stands Nos. 21 and 181, and of the shed over stands Nos. 224 and 227 has been repaired, the gutters relined where needed, the skylights repaired and reglazed and the new work painted with metallic paint. A fire occurred in this market on the morning of September 8, destroying the roof and skylights on the corner of Beekman and Front streets and doing considerable damage to the building. The work of cleaning away the debris of the fire and removing the broken glass from the skylights to prevent accidents was proceeded with at once, and a specification for the repairs prepared and the work advertised, the bids for which will be opened on the 7th instant. As soon as the contract is awarded, the work will be proceeded with as rapidly as possible.

Tompkins Market—The cornice on the second story of this building being in a dangerous condition on account of the corrosion of the bolts which held it in place, many of which had broken completely off, it was taken down and the pieces numbered and stored in the basement, so that they could be again placed in position if it should be deemed advisable to have them replaced. The balconies on Sixth and Seventh streets fronts were taken down and rebuilt, and some new castings furnished to replace those broken.

THE ARMORIES.

The Seventh Regiment Armory—Repairs have been made to the rifle ranges. New timber facings have been put up on the bulkheads and on targets 1, 2 and 3. New timbers have been put in the mantillet, and two new steel curved plates have been put back of the targets.

The Eighth Regiment Armory—Wire guards have been placed in the five large windows in the west end of the building and on eighty-six of the smaller windows, and on the sash in the storm-doors on north end entrance. Manhole and handhole gaskets, packing and other material have been furnished for the repairs required to the boilers and pumps and the flooring in the corridors repaired.

Twelfth Regiment Armory—The steam chimney was built 10 feet higher, so as to clear the top of the adjoining building, and the coping on the west wall was reset. The furnaces under the three boilers were relined with No. 1 fire-brick and jamb and arch blocks put in the fire doors.

The complaints received from the officers of the regiment about the leaky condition of the roofs of the armory were found, after careful examination, to be well founded, and specifications for a general repair to the roofs were prepared and the work contracted for at public letting. This work, which included the repair to the gravel roofing and covering the roof of the company quarters and the lower portion of the main drill room with Phelps' triple coated tin, is now nearly completed.

Seventy-first Regiment Armory—The windows in the rooms of the Board of Officers, the Colonel, the Field and Staff and Companies "A," "C" and "D," have been repaired, reglazed and furnished with new bolts, hinges and catches.

THE COURTS, POLICE AND CIVIL.

Court of Special Sessions—The roof and the gutter on the north side and the flashings around the skylight has been repaired, and four galvanized-iron chimney tops, with Emerson caps put on, and three chimneys repaired and washed with Portland cement, and the flues cleaned.

First District Police Court—The roof has been repaired, the valleys and gutters relined with L. P. L. stamped tin, and the whole roof painted with metallic paint.

Third District Police Court—The furnace has been repaired, chimneys cleaned, new smoke-pipe put up, the hot-air registers cleaned and repaired and a new galvanized-iron leader put up and connected with the sewer.

Fifth District Police Court—The furnace under the boiler has been re-lined, new bearing bars put in and the grate reset, and three rotary chairs furnished for use of the Court.

First District Civil Court—The roof has been repaired and painted, the leaders repaired, some new leaders put up with iron shoes, and a new jury wheel furnished for use of the Court.

Second District Civil Court—The chimney has been repaired and a new galvanized-iron chimney top with Emerson cap put on.

Fifth District Civil Court—The safe has been repaired and a new cash box and combination lock furnished, and the steam-pipes covered with asbestos, hair, felt and canvas.

One Hundred and Fifty-second Street and Tenth Avenue—The necessary water and sewer connections were made to this building and the building on the rear of the lot, and new water-closets of improved pattern with all necessary fixtures and ventilating pipes put in, and the closets inclosed and painted. In doing this work about 22 cubic yards of rock had to be removed from the line of the sewer pipe.

No. 8 Chambers Street—The ceiling in the toilet-room was repaired and papered.

Civil Service Bureau—The new cabinet cases were filled, rubbed and varnished.

The Soldiers' Monuments in Calvary and Greenwood Cemeteries—The plots around the monuments have been laid out and planted and the walks repaired and graded.

Specifications for furnishing and putting up new window awnings on the several courts and offices in care of this Department were made, and the contract awarded at public letting. The work has been completed in accordance with the terms of the contract.

In addition to the foregoing, the old awnings have been repaired where needed. Law books have been furnished to the several courts and offices, the office furniture repaired, the stoves in the public buildings cleaned, repaired and put in order for the winter, and the various small supplies needed have been furnished for the use of the courts and officers in care of this Department.

FREE FLOATING BATHS.

Fifteen Free Baths have been in commission this season, an addition of one more than last season. The baths were opened to the public in June; the Battery bath on June 1. The number of bathers, from June to September, at all the baths, were as follows:

Males	2,344,609
Females	1,069,005
Total	3,413,614

A new bath, 110 feet long by 40 feet wide, adapted in form for the narrow slip at the Market Street Station, was opened to the public this season.

The number of bathers at this bath were as follows:

Males	261,500
Females	179,000
Total	440,000

The number of bathers during this season shows a large increase over previous years; the increase notably women—mothers with their children.

By your order the baths closed September 30, and arrangements are being made for their stowage during the winter on the flat lands adjoining Gowanus Creek.

Very respectfully,

W. G. BERGEN, Superintendent of Repairs and Supplies.

Document "L."

REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,
No. 31 CHAMBERS STREET,
NEW YORK, October 6, 1890.

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 September 30, 1890 (months of July, August and September):

1,185 complaints of obstructions received and attended to.	
972 seizures and removals of obstructions made.	
2,186 building permits issued.	
272 miscellaneous permits issued.	
7 permits issued to cut down shade-trees.	
276 notices issued to repair defective sidewalks.	
10 notices issued to repair defective vault covers.	
Expense of seizing and removing 972 articles, including 464 loads of dirt, stone, refuse, etc., and throwing in dirt, stone, etc., on premises at various places; removing 75 dead and dangerous trees, stumps and posts, also 279 telegraph poles, and about 5,807,300 lineal feet of electric wire	\$10,615 84

Total expenses for the quarter

\$12,565 84

Received from owners for the redemption of seized articles

\$387 45

Received from public sale of unredeemed goods, August 4, 1890

\$60 21

Received from public sale of unredeemed goods, May 7, 1890

45 00

Total

\$992 66

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

Salary account—Appropriation

\$7,800 00

Expended up to September 30, 1890

\$5,560 65

Balance

\$2,239 35

Appropriation for the removal of obstructions in streets and avenues, including rents for Corporation Yards

\$40,000 00

Expended up to September 30, 1890

\$2,619 33

Balance

\$7,380 67

Respectfully,

MICHAEL F. CUMMINGS, Superintendent of Incumbrances.

Document "M."

REPORT OF THE WATER REGISTER.

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,
NEW YORK, September 30, 1890.

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 September 30, 1890:

	Principal.	Penalties.	Taps.
July	\$703,387 98	\$302 40	\$1,477 00
August	327,295 76	1,293 80	1,091 50
September	217,428 03	940 05	752 50
Total	\$1,248,111 77	\$2,536 25	\$3,321 00

Total

\$1,253,969 02

Deposit to the credit of "Water-meter Fund, No. 2"—

July

\$1,200 00

August

801 83

September

208 60

Total

\$2,211 03

"Special Fund—Repairing Streets"—

July

\$873 50

August

634 00

September

802 50

Total

\$2,310 00

Respectfully submitted,

JOSEPH RILEY, Water Register.

APPROVED PAPERS

Approved Papers for the week ending January 10, 1891.

Resolved, That the following-named persons be and they are respectively reappointed to the office of Commissioner of Deeds in and for the City and County of New York, to date from the expiration of their present terms of office, viz.:

Joseph F. Arnold.	William D. Udell.	Ed. William Hoegberg.
James C. McEachen.	James M. More.	Solomon Kohn.
Henry F. Kent.	Charles L. Gott.	August J. Glostein.
William H. Craig, Jr.	John J. Tindale.	Benjamin Stein.

Resolved, That the following-named persons be and they are hereby appointed Commissioners of Deeds in and for the City and County of New York, in the places respectively of those whose names appear opposite, and whose terms of office have expired, viz.:

James Keane, in the place of.....	Thomas F. Barker.
Joseph O'Brien, ".....	James W. Brinck.
Albert F. West, ".....	Stephen S. Blake.
G. Radford Kelso, ".....	William A. Condon.
John J. McNally, ".....	Daniel M. Driscoll.
James J. Duffy, ".....	Maurice De Vries.
Joseph Stern, ".....	Daniel Dady.
James R. Marston, ".....	Siegmund Feuchtwanger.
Mark Eckman, ".....	George Henry Finck.
Cornelius W. Neilson, ".....	Benjamin Franklin.
William J. Le Compte, Jr., in the place of.....	Martin M. Lewis.
George W. Henry, ".....	Samuel A. Lee.
Patrick Masterson, ".....	William D. Leonard.
Albert E. Hull, ".....	John S. McWilliam.
George Hatzel, ".....	Moses B. MacClay.
Henry Steiner, ".....	Oscar J. Mendel.
Henry Fromme, ".....	George H. Nolen.
Henry Gottlieb, ".....	Samuel Oppenheim.
John A. Lyons, ".....	Thomas J. Purdy.
George A. Rafferty, ".....	Charles M. Riddle.
Alfred Rolland, ".....	William H. Reed, Jr.
Andrew Ward, ".....	Joseph Stern.
Herman D. Lange, ".....	Randolph L. Scharf.
David Sternlicht, ".....	William J. Trimble.
William H. Clark, ".....	Garrett L. Westervelt.
Henry Van Holland, ".....	Joseph C. Rosenbaum.

Resolved, That the following-named persons be and they are hereby appointed Commissioners of Deeds in and for the City and County of New York, in the places respectively of those whose name appear opposite, who were recently appointed but failed to qualify, viz.:

John M. Delmour, in the place of.....	Gustave F. Drachman.
Julius C. Lehmann, ".....	Julius T. Groh.
Benjamin W. Barlow, ".....	Francis Habersroh.
John F. Carroll, ".....	John F. Carroll.
George G. Banzer, ".....	John J. Delaney.
John A. Cusack, ".....	John J. Herrick.
R. S. Woolcott, ".....	Norman F. Kerr.
John Kirwan, ".....	Alfred Mackay.
Joseph H. Fargis, ".....	Peter Staudt.
William J. Smyth, ".....	Gus. Thompson.

Resolved, That Thomas Girvan, Robert J. Wright and Harry Phillips be and they are hereby appointed Commissioner of Deeds in and for the City and County of New York, in the places respectively of John Boehmer, William H. Martin and Frederick Fisher, who have resigned.

Adopted by the Board of Aldermen, January 5, 1891, before 12 o'clock M.

FRANCIS J. TWOMEY, Clerk Common Council.

EXECUTIVE DEPARTMENT.

MAYOR'S MARSHAL'S OFFICE,
NEW YORK, January 10, 1891.

Number of licenses issued and amounts received therefor, in the week ending Friday, January 9, 1891.

DATE.	NUMBER OF LICENSES.	AMOUNTS.
Saturday, Jan. 3, 1891	21	\$17 25
Monday, " 5, "	66	643 00
Tuesday, " 6, "	48	72 75
Wednesday, " 7, "	38	46 25
Thursday, " 8, "	39	143 75
Friday, " 9, "	46	136 75
Total	258	\$1,059 75

DANIEL ENGELHARD,
Mayor's Marshal.

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 all 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 P. 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.
MAURICE F. HOLAHAN, EDWARD P. BARKER.

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. LULLY, Auditor.

BOARD OF ARMY COMMISSIONERS.

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

COMMON COUNCIL.

Office of Clerk of Common Council.

No. 8 City Hall, 9 A. M. to 4 P. M.

JOHN H. V. ARNOLD, President Board of Aldermen.
FRANCIS J. TWOMEY, Clerk Common Council.

City Library.

No. 12 City Hall, 10 A. M. to 4 P. M.

JAMES H. FARRELL, City Librarian.

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS F. GILROY, Commissioner; BERNARD F. MARTIN, 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.

Bureau 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 F. CUMMINGS, Superintendent.

Keeper of City Hall.

MARTIN J. KEES, City Hall.

DEPARTMENT OF STREET IMPROVEMENT

TWENTY-THIRD AND TWENTY-FOURTH WARDS.

No. 2656 Third Avenue.

LOUIS J. HEINTZ, Commissioner; JOHN H. J. RONNER, Deputy Commissioner.

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.

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. AUSTIN, 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.

D. LOWBER SMITH, 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. MCLAN, 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.
SAMUEL BARRY, Clerk.

Office of the Corporation Attorney.

No. 49 Beekman street, 9 A. M. to 4 P. M.

LOUIS SPECKLER, 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. RODENBROUGH, 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.

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.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.

CHARLES G. WILSON, President; EMMONS CLARK, Secretary

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M. Saturdays, 12 M.

ALBERT GALLUP, President; CHARLES DE F. BURNS, Secretary.

Office of Topographical Engineer.

Arsenal, Sixty-fourth street and Fifth Avenue, 9 A. M. to 5 P. M.

BOARD OF CITY RECORD.

OFFICE OF THE CITY RECORD,

No. 2 CITY HALL,

NEW YORK, January 12, 1891.

PROPOSALS FOR FURNISHING STATIONERY FOR THE USE OF COURTS AND DEPARTMENTS OF THE GOVERNMENT OF THE CITY OF NEW YORK.

TO STATIONERS.

SEALED ESTIMATES FOR SUPPLYING THE City Government with Stationery, Paper, Ink, Pens, Pencils, Penholders, Rubber Bands, etc., will be received at the office of the Supervisor of the City Record, until 12 o'clock M. of Friday the 23d day of January, 1891, at or about which time said estimates will be publicly opened and read in the office of the Mayor.

Each person making an estimate shall inclose it in a sealed envelope, indorsed "Estimate for Furnishing Stationery" and with his name and the date of its presentation.

Each estimate shall state the name and place of residence of the person making it; if there is more than one such person, their names and residences must be given; and if only one person is interested in the estimate it must distinctly state that fact; also, that it is made without any connection with any other person making an estimate for the same purpose, and is in all respects fair and without collusion or fraud; and that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation is directly or indirectly interested therein or in the supplies or work to which it relates, or in any portion of the profits thereof. The estimate must be verified by the oath, in writing, of the party or parties making the estimate that the

several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, upon its being so awarded, become bound as 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 upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the preliminary security required, and in the proposals stated, 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.

The amount of security required upon the execution of the contract will be in each case fifty per cent. of the estimated cost of the articles awarded to each contractor; the amount of preliminary security to be given until each award, and in which the sureties shall justify, shall be SEVEN HUNDRED AND FIFTY DOLLARS.

Should the person 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 bid or proposal, and that the adequacy and sufficiency of the security offered has been approved by the Comptroller, or if he accept but do not execute the contract and give the proper security, he shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and relet, as provided by law.

No estimates will be accepted from, or a contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation, and no estimates will be accepted from, or a contract awarded to, any person not having at the time of making his estimate, full, suitable and sufficient facilities for performing the work specified in his estimate.

No 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 fifty per centum of the amount of the preliminary 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 Supervisor of the City Record 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 Supervisor 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.

Permission will not be given for the withdrawal of any bid or estimate, and the right is expressly reserved by the undersigned city officers to reject any or all bids which may be deemed prejudicial to the public interests.

A separate contract will be made with the lowest bidder for each and every class of Stationery involving an expenditure of more than five hundred dollars, and the Board of City Record expressly reserves the right to make a contract with the lowest bidder on any class involving the expenditure of a lesser sum.

The stationery is to be put up in packages according to schedules to be furnished to the contractors by the Supervisor of the City Record, and according to the most approved methods followed in the stationery trade for the preservation of goods. The contractors must complete the delivery of the goods at the office of the CITY RECORD within fifteen days from the execution of the contracts.

DESCRIPTION OF ARTICLES

For particulars as to the quantities and kinds of Stationery, reference must be had to the specifications, copies of which may be procured from the Supervisor of the City Record, or may be seen in the Department of Public Works, where they are on file.

HUGH J. GRANT,

Mayor.

WM. H. CLARK,

Counsel to the Corporation.

THOS. F. GILROY,

Commissioner of Public Works.

W. J. K. KENNY,

Supervisor, City Record.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

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

TO CONTRACTORS.

PROPOSALS FOR DRY GOODS.

SEALED BIDS OR ESTIMATES FOR FURNISHING

203,000 yards Brown Muslin.
150,000 yards Bandage Muslin.
20,000 yards Shroud Muslin.
30,000 yards Stillwater Muslin.
26,400 yards Bleached Muslin.
1,200 pieces Oiled Muslin.
16,000 yards Furniture Check.
64,000 yards Ticking.
6,000 yards Cottonade, Workhouse.
21,000 yards Cottonade, Insane Asylum.
16,000 yards Cotton Jean.
3,400 yards White Flannel.
3,400 yards Red Flannel.
2,300 yards Blue Flannel.
31,000 yards Canton Flannel.
12,000 yards Awning Stripes.
11,500 yards Hickory.
14,000 yards Blue Denim.
2,000 yards Brown Denim.
6,400 yards Toweling (Huckabuck).
28,000 yards Crash.
24,600 yards Gingham.
23,000 yards Cotton Check.
4,500 yards Lindsey Woolsey.
1,350 yards Prison Cloth.
250 yards Linen Drill.
1,500 yards Linen Diaper.
300 yards Blue Flannel.
2,000 yards Table Linen, unbleached.
6,250 yards Seersucker.
5,600 pairs Colored Blankets.
1,700 Pairs White Blankets.
2,900 pairs Rubber Sheets.
4,550 Toilet Quilts.
450 B. F. Blouses, summer faced.
406 B. F. Blouses, winter faced.
100 B. F. Blouses, summer plain.

- 230 B. F. Blouses, winter plain.
 100 Ward Coats.
 357 U. S. A. Overcoats.
 556 dozen Men's Knit Shirts.
 215 dozen Men's Knit Drawers.
 410 dozen Men's Straw Hats.
 310 dozen Women's Straw Hats.
 67 dozen Boys' Straw Hats.
 1,075 Women's Shawls.
 350 Girls' Shawls.
 75 dozen Women's Woolen Mitts.
 42 dozen Children's Woolen Mitts.
 62 dozen Women's Hoods.
 9 dozen Children's Hoods.
 500 Women's Knit Jackets.
 84 dozen Boys' Caps.
 171 dozen Men's Canvas Hats.
 38 dozen Men's White Helmets.
 370 Attendants' Caps, with devices.
 650 Overcoats.
 750 Pea Jackets.
 111 Oilskin Suits with Hats.
 3,203 pounds pure S. A. Curled Hair.
 120 bales (6,000 pounds) Cotton Batts.
 2,602 dozen Men's Socks.
 250 dozen Boys' Socks.
 1,200 dozen Women's Stockings.
 250 dozen Girls' Stockings.
 250 dozen Handkerchiefs.
 500 pieces Crinoline (12 yards).
 124 pieces Mosquito Netting.
 300 dozen Basting Cotton.
 400 dozen O. N. T. Spool Cotton, No. 30, White.
 50 dozen O. N. T. Spool Cotton, No. 30, Black.
 10 great gross Pantaloons Buckles.
 80 great gross A No. 22, White Buttons.
 155 great gross Suspender Buttons.
 10 great gross Porcelain Buttons.
 60 great gross Brace Buttons.
 240 gross I. R. Jacket Buttons.
 210 gross Coat Buttons.
 600 gross Dress Buttons.
 81 Rubber Coats.
 156 pairs Rubber Boots.

—will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 10 o'clock A. M. of Friday January 23, 1891. The person or persons making any bid or estimate shall furnish the same in a sealed envelope indorsed "Bid or Estimate for Dry Goods," 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.

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

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, in the penal amount of fifty (50) per cent. of the ESTIMATED amount of the contract.

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, 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 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 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 give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

The quality of the articles, supplies goods, wares and merchandise must conform in every respect to the samples of the same on exhibition at the office of the said Department. Bidders are cautioned to examine the specifications for particulars of the articles, etc., required, before making their estimates.

Bidders will state the price for each article, by which the bids will be tested.

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, January 12, 1891.
 HENRY H. PORTER, President,
 CHARLES E. SIMMONS, M. D., Commissioner,
 EDWARD C. SHEEHY, Commissioner,
 Public Charities and Correction.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,
 OFFICE OF THE PROPERTY CLERK (Room No. 9),
 No. 300 MULBERRY STREET,
 NEW YORK, 1890.

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

DEPARTMENT OF STREET CLEANING.

NOTICE.

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

HANS S. BEATTIE,
 Commissioner of Street Cleaning

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
 COOPER UNION,
 NEW YORK, January 10, 1891.

PUBLIC NOTICE IS HEREBY GIVEN THAT
 open competitive examinations for positions in the New York City Civil Service will be held as follows:

- January 16. DOORMAN, in the Police Department.
 January 16. ASSISTANT ENGINEER (Civil).
 January 16. ASSISTANT.
 January 16. TIME-KEEPER, Twenty-third and Twenty-fourth Wards.
 January 20. STEAM ENGINEERS (capable of running pile-driving engines).
 January 20. PILOTS.
 January 21. COMPUTERS.
 January 21. CHAINMEN.
 January 22. INSPECTOR OF REGULATING AND GRADING.

Application blanks may be obtained at the office of the Secretary, Room 30, Cooper Union.

LEE PHILLIPS,
 Secretary and Executive Officer.

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

NOTICE.

- Office hours from 9 A. M. until 4 P. M.
- Blank applications for positions in the classified service of the city may be procured upon application at the above office.
- Examinations will be held from time to time in 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.
- All information in relation to the Municipal Civil Service will be given upon application either a person or by letter. Those asking for information by mail should inclose stamp for reply.
- 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 Schedules B, C and E.
 - Schedule E 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 F shall include stenographers, type-writers and all persons not included in the foregoing schedules except laborers or day workmen.
 - Schedule G 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

PUBLIC POUND.

FOR SALE AT PUBLIC POUND, KINGS-
 bridge, one Gray Horse and one Bay Horse, on Wednesday, January 14, 1891, at 12 o'clock.
 JAMES WALSH,
 Poundmaster.

DEPARTMENT OF TAXES AND ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,
 STAATS ZEITUNG BUILDING,
 NEW YORK, January 5, 1891.

IN COMPLIANCE WITH SECTION 817 OF THE
 New York City Consolidation Act of 1882, it is hereby advertised that the books of "The Annual Record of the Assessed Valuations of Real and Personal Estate" of the City and County of New York, for the year 1891, will be opened January 12, 1891, and will remain open for examination and correction until the thirtieth day of April, 1891.

All persons believing themselves aggrieved must make application to the Commissioners of Taxes and Assessments, at this office, during the period said books are open, in order to obtain the relief provided by law.

Applications for correction of assessed valuations on personal estate must be made by the person assessed to the said Commissioners, between the hours of 10 A. M. and 2 P. M., except on Saturdays, when between 10 A. M. and 12 P. M., at this office, during the same period.

MICHAEL COLEMAN,
 THOMAS L. FEITNER,
 EDWARD L. PARRIS,
 Commissioners of Taxes and Assessments.

CORPORATION NOTICE.

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

List 2542, No. 1. Regulating, grading, setting curbstones, flagging and laying crosswalks in Westchester avenue, from North Third to Prospect avenue.

List 2896, No. 2. Regulating and grading Westchester avenue, from Prospect avenue to the Southern Boulevard.

List 3298, No. 3. Outlet sewer through Pier 4, North river, with sewers in West street, between Rector street and Battery place, connecting with sewers in Battery place and Morris street.

List 3130, No. 4. Paving with macadam pavement St. Nicholas avenue, from One Hundred and Fifty-fifth street to its intersection with Tenth avenue and Kingsbridge road, from its intersection with Tenth avenue to One Hundred and Ninetieth street, 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 Westchester avenue, from North Third to Prospect avenue, and to the extent of half the block at the intersecting streets and avenues.

No. 2. Both sides of Westchester avenue, from Prospect avenue to the Southern Boulevard, and to the extent of half the block at the intersecting streets and avenues.

No. 3. Blocks bounded by Greenwich and West streets, Battery place and Morris street, including both sides of Greenwich street; north side of Battery place, from Bowling Green to Greenwich street; both sides of Morris street, from Broadway to West street; east side of West street, from Battery place to Rector street; both sides of Washington street, commencing at Morris street and extending northerly about 125 feet, and west side of Broadway, extending about 95 feet southerly from Morris street.

No. 4. Both sides of St. Nicholas avenue and Kingsbridge road, from One Hundred and Fifty-fifth street to One Hundred and Ninetieth street, and to the extent of half the block at the intersecting streets and 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 objections in writing to the Chairman of the Board of Assessors, at their office, No. 27 Chambers street, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation on the 31st day of January, 1891.

EDWARD GILON, Chairman,
 PATRICK M. HAVERLY,
 CHAS. E. WENIT,
 EDWARD CAHILL,
 Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
 No. 27 CHAMBERS STREET,
 NEW YORK, Dec. 31, 1890.

ARMORY BOARD.

ARMORY BOARD—OFFICE OF THE SECRETARY,
 STAATS ZEITUNG BUILDING, TRYON ROW,
 NEW YORK, December 30, 1890.

PROPOSALS FOR ESTIMATES FOR FURNISHING GAS-FIXTURES FOR AN ARMORY BUILDING ON BLOCK BOUNDED BY COLUMBUS AVENUE, THE BOULEVARD, SIXTY-SEVENTH AND SIXTY-EIGHTH STREETS, NEW YORK CITY.

PROPOSALS FOR ESTIMATES FOR FURNISHING
 Gas-fixtures for an Armory Building on the block bounded by Columbus avenue, the Boulevard, Sixty-seventh and Sixty-eighth streets, County and City of New York, will be received by the Armory Board at the MAYOR'S OFFICE, CITY HALL, UNTIL 2 O'CLOCK P. M. OF THE 12TH DAY OF JANUARY, 1891, at which time and place they will be publicly opened and read by said Board.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the President of said Armory Board, indorsed "Estimate for Furnishing Gas-fixtures for an Armory Building on the block bounded by Columbus avenue, the Boulevard, Sixty-seventh and Sixty-eighth streets," 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, in the amount of TWO THOUSAND (\$2,000) DOLLARS.

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

1st. 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 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.

2d. Bidders will be required to complete the entire work to the satisfaction of the Armory Board, 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 Armory Board 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 State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of ONE HUNDRED DOLLARS (\$100). 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 Board 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 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 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 a blank prepared for that purpose by the Board, a copy of which, together with the form of the agreement, including specifications, and showing the manner of payment for the work, can be seen upon application at the office of the Architect, John P. Leo, Potter Building, No. 38 Park Row.

The Board reserves the right to reject any or all estimates not deemed beneficial to or for the public interest.

Plans may be examined and specifications and blank forms for bids or estimates obtained by application to the ARCHITECT, at his office, No. 38 PARK ROW New York City.

HUGH J. GRANT, Mayor;
 M. COLEMAN,
 President Department Taxes and Assessments;
 THOS. F. GILROY,
 Commissioner Public Works Department.

DEPARTMENT OF PUBLICWORKS.

DEPARTMENT OF PUBLIC WORKS,
 COMMISSIONER'S OFFICE,
 ROOM 6, No. 31 CHAMBERS STREET,
 NEW YORK, January 8, 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, January 22, 1891, at which place and hour they will be publicly opened by the head of the Department.

- FOR FURNISHING THE DEPARTMENT OF PUBLIC WORKS WITH THIRTY-EIGHT HUNDRED (3,800) GROSS TONS, 2,240 POUNDS TO A TON, OF EGG-SIZE WILKESBARRE COAL.
- FOR FURNISHING CAST-IRON WATER-PIPES, BRANCH-PIPES AND SPECIAL CASTINGS.
- FOR FURNISHING AND DELIVERING STOP-COCKS, HYDRANTS, WOODEN HYDRANT-BOXES AND CAST-IRON STOP-COCK BOXES.
- FOR FURNISHING AND DELIVERING STOP-COCKS, HYDRANTS, WOODEN HYDRANT BOXES, CAST-IRON STOP-COCK BOXES AND MANHOLE HEADS.
- FOR FURNISHING AND DELIVERING TAPPING COCKS AND TAPPING-COCK BOXES.
- FOR FURNISHING, DELIVERING AND LAYING TWELVE-INCH CAST-IRON WATER PIPE, from the present main on Seventy-ninth street to the main on Blackwell's Island.
- FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS from Shaft No. 25, New Aqueduct, to the Pumping Station at High Bridge.
- FOR FLAGGING AND REFLAGGING, CURBING AND RECURRING, THE SIDEWALK ON SOUTH SIDE OF ONE HUNDRED AND SEVENTH STREET, from Park to Madison avenue.
- FOR ERECTING A SUITABLE IRON FENCE ON THE EASTERLY SIDE OF EDGEcombe AVENUE, from One Hundred and Forty-fifth street to St. Nicholas place.
- FOR FURNISHING CAST-IRON WATER PIPES, BRANCH PIPES AND SPECIAL CASTINGS.
- FOR LAYING WATER MAINS IN GRAND, NEW, FIRST, SECOND, CRESTON, OLIVE, PERRY, HULL, DECATUR, MORRIS, BAINBRIDGE, DAVIDSON AND MOSHOLU AVENUES; IN THIRD, FIFTY-EIGHTH, SEVENTY-SEVENTH, EIGHTY-SECOND, EIGHTY-NINTH, NINETEENTH, NINETY-FOURTH, ONE HUNDRED AND THIRD, ONE HUNDRED AND TWENTY-FIRST, ONE HUNDRED AND FORTY-SECOND, ONE HUNDRED AND FORTY-THIRD, ONE HUNDRED AND FORTY-SEVENTH, ONE HUNDRED AND FORTY-EIGHTH, CHISHOLM, BRISTOW, JENNINGS, SAMUEL AND MECHANIC STREETS, AND IN BRONX RIVER ROAD, BROADWAY, ELSMERE PLACE, AND NORTHERN TERRACE.

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 his 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 10 and 5, No. 31 Chambers street.

THOS. F. GILROY,
Commissioner of Public Works

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
Room 6, No. 31 CHAMBERS ST.,
NEW YORK, January 2, 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, January 15, 1891, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR FURNISHING AND DELIVERING ICE TO THE DEPARTMENT OF PUBLIC WORKS, AND THE PUBLIC BUILDINGS AND OFFICES IN CARE OF SAID DEPARTMENT, FOR THE YEAR ENDING DECEMBER 31, 1891.

No. 2. FOR FURNISHING JANITOR'S SUPPLIES FOR USE IN THE PUBLIC BUILDINGS, COURTS AND OFFICES IN CARE OF THE BUREAU OF REPAIRS AND SUPPLIES, DEPARTMENT OF PUBLIC WORKS.

No. 3. FOR FURNISHING THE DEPARTMENT OF PUBLIC WORKS WITH THREE THOUSAND FOUR HUNDRED AND SEVENTY (3,470) GROSS TONS, 2,240 pounds to a ton, OF BEST WHITE ASH LEHIGH AND WILKESBARRE COAL, AND THIRTY (30) TONS OF INCE HALL CANNEL COAL, as per specifications.

No. 4. FOR REGULATING AND GRADING ONE HUNDRED AND TWENTIETH STREET, from Morningside avenue to Broadway Boulevard, and SETTING CURB-STONES AND FLAGGING SIDEWALKS THEREIN.

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 his 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 15 and 5, No. 31 Chambers street.

THOS. F. GILROY,
Commissioner of Public Works.

FINANCE DEPARTMENT.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
January 3, 1891.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the assessment list in the matter of acquiring title to West One Hundred and Twentieth street, between the Boulevard and Tenth avenue, which was confirmed by the Supreme Court, December 29, 1890, and entered on the 2d day of January, 1891, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 998 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before March 4, 1891, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
December 30, 1890.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the assessment list in the matter of acquiring title to East One Hundred and Forty-third street, from East One Hundred and Forty-fourth street to St. Ann's avenue, which was confirmed by the Supreme Court, December 19, 1890, and entered on the 26th day of December, 1890, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 998 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessment is payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before February 25, 1891, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
December 29, 1890.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the assessment list in the matter of acquiring title to Bremer avenue, from Jerome avenue to Birch street, and Devoe street, from Bremer avenue to Ogden avenue; and in the matter of acquiring title to East One Hundred and Fiftieth street, from Railroad avenue, East to Third avenue, which were confirmed by the Supreme Court, December 17, 1890, and entered on the 24th day of December, 1890, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 998 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," Room 31, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before February 23, 1891, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEODORE W. MYERS,
Comptroller.

NOTICE OF SALE OF LANDS AND TENEMENTS FOR UNPAID ASSESSMENTS.

CITY OF NEW YORK—FINANCE DEPARTMENT,
BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES AND ASSESSMENTS AND OF WATER RENTS,
STEWART BUILDING, No. 280 BROADWAY,
November 8, 1890.

UNDER THE DIRECTION OF THEODORE W. MYERS, Comptroller of the City of New York, the undersigned hereby gives public notice, pursuant to the provisions of section 926 of the New York City Consolidation Act of 1882, that the respective owners of the lands and tenements, within the City of New York, on which assessments for local improvements have been laid and confirmed according to law, by the Board of Revision and Correction of Assessments, now remaining unpaid, and which were confirmed during the year 1886 and prior thereto, are required to pay the amount of the assessments so due and remaining unpaid, to the Collector of Assessments and Clerk of Arrears, at his Office in the Finance Department, Room No. 35 Stewart Building, No. 280 Broadway, together with the interest thereon, at the rate of seven per cent. per annum, to the time of payment, with the charges of this notice and the advertisement.

And if default shall be made in such payment, such lands and tenements will be sold at public auction, at the County Court-house in the City Hall Park, in the City of New York, on Monday, the 2d day of March, 1891, at 12 o'clock noon, for the lowest term of years for which any person shall offer to take the same in consideration of advancing the amount of the assessment so due and unpaid, and the interest and charges thereon, as aforesaid, and all other costs and charges that may have accrued thereon; and such sale shall be continued from time to time until all the lands and tenements as advertised for sale shall be sold.

And notice is hereby further given that a detailed statement of the assessments, the ownership of the property assessed, and on which the assessments are due and unpaid, is published in a pamphlet, and the copies of the pamphlet are deposited in the office of the Collector of Assessments and Clerk of Arrears, in the Finance Department, and will be delivered to any person applying for the same.

D. LOWBER SMITH,
Collector of Assessments and Clerk of Arrears.

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 "Mr. Stephen Angell, Room 23, Stewart Building."

THEODORE W. MYERS,
Comptroller.

DEPARTMENT OF DOCKS.

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

TO CONTRACTORS.

(No. 365.)

PROPOSALS FOR ESTIMATES FOR REMOVING THE EXISTING PIER KNOWN AS PIER 43, AT THE FOOT OF RUTGERS SLIP, EAST RIVER, AND FOR PREPARING FOR AND BUILDING A NEW WOODEN PIER, WITH APPURTENANCES, ON THE SITE OF SAID PIER; AND FOR REPAIRING THE EXISTING CRIB-BULKHEAD THEREAT.

ESTIMATES FOR REMOVING THE EXISTING pier, known as Pier 43, East river, at the foot of Rutgers Slip, East river, and for preparing for and building a new wooden pier, with its appurtenances, on the site thereof, and for preparing for and repairing the crib-bulkhead thereat, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

FRIDAY, JANUARY 16, 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 Six Hundred and Fifty Dollars.

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

CLASS I.

CRIB-BULKHEAD.

1. New Cribwork, complete, including all Timbers and Ironwork, Backing-logs, Earth and Stone Filling, Fenders, Mooring-posts, etc., measured from mean low-water mark to the under side of the backing-log, and from front of facing-timber to rear of cross-ties, about 8,000 cubic feet.

2. White Pine, Yellow Pine, Cypress or Spruce Piles 15

(It is expected that these piles will have to be about 65 feet long, to meet the requirements of the specifications for driving.)

3. Cast-iron Pile Shoes, about 495 pounds.

4. Round Logs furnished to the contractor (not estimated in the cribwork), about 475 linear feet.

5. Labor and Materials for Relaying Old Pavement, for about 124 square yards.

6. Labor and Materials for Laying New Pavement, about 42 "

7. Labor of Excavating Old Cribwork and Disposal of Material, about 307 cubic yards.

8. Labor and Material for Back-filling, about 390 "

9. Labor of Framing and Carpentry, including all moving of Timber, Jointing, Planing, Bolting, Spiking, etc., as set forth in the specifications.

CLASS II.

NEW PIER.

Feet, B. M., measured in the work.
1. Yellow Pine Timber, 12" x 14" 504
" " 12" x 12" 79,786
" " 10" x 12" 463
" " 10" x 10" 220

1. Yellow Pine Timber, 8" x 16" 140
" " 8" x 15" 380
" " 8" x 10" 89
" " 8" x 8" 7,600
" " 7" x 14" 327
" " 7" x 12" 294
" " 7" x 9" 110
" " 6" x 12" 4,824
" " 5" x 12" 385
" " 5" x 11" 1,251
" " 5" x 10" 14,806
" " 5" x 8" 130
" " 5" x 7" 111
" " 4" x 10" 47,183
" " 2" x 4" 3,680

Total 162,213

Feet, B. M., measured in the work.

2. Spruce Timber, 4" x 10" 55,583
" " 4" x 5" 69
Total 55,652

Feet, B. M., measured in the work.

3. White Oak Timber, 8" x 12" 7,280

NOTE.—The above quantities of timber, in items 1, 2 and 3 are inclusive of extra lengths required for scarfs, laps, etc., but are exclusive of waste.

4. White Pine, Yellow Pine or Cypress Piles for Pier 319

(It is expected that these piles will have to be from about 60 feet in length to about 75 feet in length, to meet the requirements of the specifications for driving.)

5. White Oak Fender Piles, about 60 feet long 8

6. 3/8" x 26", 3/8" x 22", 3/8" x 16", 3/8" x 12", 3/8" x 22", 3/8" x 20", 3/8" x 18", 3/8" x 16", 3/8" x 14", 3/8" x 12", 3/8" x 9", 3/8" x 12", and 3/8" x 10" square, and 3/8" x 8", 3/8" x 7" and 3/8" x 8" round. Wrought-iron Spike-pointed Dock-spikes, and 40d. Nails, about 15,897 pounds.

7. Boiler-plate Armatures and Wrought-iron Strap-bolts and Washers, about 5,168 "

8. 1 1/2", 1 1/4", 1 1/8" and 1" Wrought-iron Screw-bolts and Nuts, about 8,185 "

9. Cast-iron Washers for 1 1/4", 1 1/8" and 1" Screw-bolts, about 3,681 "

10. Cast-iron Mooring-posts, about 9,000 "

11. Materials for Painting and Oiling or Tarring.

12. Labor of removing Pier, old 43, at the foot of Rutgers Slip, East river, and of removing all the old material from the premises.

13. Labor of every description for about 13,600 square feet of new pier.

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 each class of 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 contracted for is to be fully completed on or before the thirty-first day of May, 1891, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

All the old material taken from the said pier and crib-bulkhead 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 each class, in conformity with the approved form of agreement and the specifications therein set forth, by which prices the bids will be tested. These prices are 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 comprised in both classes, 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 each class of 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, 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 upon its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done 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 surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

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

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

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

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,
JAMES MATTHEWS,
J. SERGEANT CRAM,

Commissioners of the Department of Docks.
Dated New York, January 10, 1891.

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

TO CONTRACTORS.

(No. 363.)

PROPOSALS FOR ESTIMATES FOR DREDGING THE HALF SLIP WESTERLY OF PIER 12, AND IN FRONT OF THE BULKHEAD BETWEEN PIERS 11 AND 12, ON THE EAST RIVER.

ESTIMATES FOR DREDGING AT THE ABOVE-named places on the East river will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

THURSDAY, JANUARY 15, 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 Hundred Dollars.

The Engineer's estimate of the quantities of material necessary to be dredged in order to secure at the premises mentioned the depth of water set opposite thereto in the specifications is as follows:

Half slip west of Pier 12, East river.	6,500 cubic yards.
Bulkhead between Piers 11 and 12,	
East river.....	1,800 "
Total	8,300 "

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

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

(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. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the price therefor per cubic yard, 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 the entire work is to be fully completed on or before the 1st day of February, 1891, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment has expired are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price per cubic yard for doing such dredging 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 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 upon its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York, after the award is made and prior to the signing of the contract.

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

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

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

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,
JAMES MATTHEWS,
J. SERGEANT CRAM,
Commissioners of the Department of Docks.

(Work of Construction under New Plan.)

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

TO CONTRACTORS.

(No. 364.)

PROPOSALS FOR ESTIMATES FOR DREDGING FOR A NEW PIER, No. 23, ON THE NORTH RIVER.

ESTIMATES FOR DREDGING AT THE ABOVE-named place on the North river will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 12 o'clock M. of

TUESDAY, JANUARY 13, 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 One Thousand Two Hundred Dollars.

The Engineer's estimate of the quantities of material necessary to be dredged in order to secure at the premises mentioned the depth of water set opposite thereto in the specifications is as follows:

For Pier, new 23, on the North river. 24,000 cubic yards.

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

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

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the price therefor per cubic yard, 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 contracted for is to be fully completed on or before the first day of March, 1891, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment has expired, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price per cubic yard for doing such dredging 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 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 upon its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

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

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

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

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,
JAMES MATTHEWS,
J. SERGEANT CRAM,
Commissioners of the Department of Docks.

Dated, New York, December 30, 1890.

DEPARTMENT OF PUBLIC PARKS

DEPARTMENT OF PUBLIC PARKS,
Nos. 49 and 51 CHAMBERS STREET,
NEW YORK, January 5, 1891.

TO CONTRACTORS.

FOR EXCAVATING AND REMOVING, LEVELING AND GRADING, ALL EARTH AND ROCK; FURNISHING THE MATERIALS AND BUILDING ALL DRAINS, INCLUDING FILLING AND GRADING; FURNISHING THE MATERIALS AND COMPLETELY EXECUTING ALL THE MASON WORK AND PLASTERING, CEMENT WORK AND FIRE-PROOFING OF EVERY KIND; ALL IRON, COPPER, AND OTHER METAL WORK OF EVERY KIND; ALL CARPENTER AND JOINER WORK; PAINTING AND GLAZING OF EVERY KIND; ALL ROOFING, SLATING AND SKYLIGHT WORK; ALL MARBLE FLOOR TILING WORK; ALL PLUMBING WORK; ALL GAS, VENTILATION, WATER AND OTHER PLUMBING PIPES, PLUMBING FIXTURES, AND ATTACHMENTS; ALL STEAM-HEATING AND VENTILATION WORK, HEATING AND VENTILATING APPARATUS, PIPES, STACKS, BOILERS, CHIMNEYS AND MACHINERY; ALL HARDWARE, SHADES AND FIXTURES; PATCHING, REPAIRING, CLEANING AND ALL OTHER WORK OF EVERY DESCRIPTION REQUIRED TO FULLY COMPLETE THE NORTH EXTENSION AND BOILER-HOUSE; TOGETHER WITH ALL CONNECTIONS WITH, AND ALTERATION OF, RENEWAL, REFITTING AND REPAIR IN ROOF AND OTHER PORTIONS OF THE OLD BUILDING OF THE METROPOLITAN MUSEUM OF ART IN THE CENTRAL PARK; ALL WHOLLY COMPLETE, READY FOR FULL USE AND OCCUPATION, IN ACCORDANCE WITH THE PLANS, DETAILS, SPECIFICATIONS AND DIRECTIONS THEREFOR.

SEALED ESTIMATES FOR THE ABOVE WORK, indorsed with the above title, also with the name of the person or persons making the same, and the date of presentation, will be received at the office of the Department of Public Parks, Nos. 49 and 51 Chambers street, New York City, until eleven o'clock A. M., on Wednesday, the 21st day of January, 1891, at which place and hour the bids will be publicly opened by the head of said Department and read, and the award of the contract will be made as soon thereafter as practicable.

Bidders will be required to state in their proposals in writing and in figures, ONE PRICE OR SUM for which they will execute the ENTIRE WORK, including the furnishing of all materials, labor and transportation; all implements, tools, apparatus and appliances of every description necessary to complete, in every particular, the whole of the work as set forth in the plan, details, and in the schedule, specification and form of agreement.

The time allowed to complete the whole work will be ONE HUNDRED AND SEVENTY-FIVE DAYS, and the damages to be paid by the contractor for each day that the contract, or any part thereof, may be unfulfilled after the time fixed for the completion thereof has expired, are fixed at FIFTY DOLLARS per day.

Bidders will be required to complete the entire work to the satisfaction of the Department of Public Parks, and in substantial accordance with the specifications for the work and the plans therein referred to. No extra compensation beyond the amount to be specified by the lowest bidder, shall be due or payable for the entire work.

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

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

No bid or estimate will be received or considered unless accompanied by either a certified check upon one of the 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 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.

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 amount in which security will be required for the performance of the contract is \$150,000.

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 contracts when awarded will, in each case, be awarded to the lowest bidder.

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

The plans can be seen at the office of the Architect, East Entrance, Metropolitan Museum of Art, Central Park, from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

ALBERT GALLUP,
WALDO HUTCHINS,
NATHAN STRAUS,
PAUL DANA,
Commissioners of Public Parks.

DEPARTMENT OF PUBLIC PARKS,
Nos. 49 and 51 CHAMBERS STREET,
NEW YORK, January 6, 1891.

TO CONTRACTORS.

PROPOSALS FOR FORAGE.

SEALED BIDS OR ESTIMATES FOR FURNISHING

375,000 pounds of Hay, of the quality and standard known as best sweet Timothy.
45,000 pounds good clean Rye Straw.
2,500 bags clean No. 1 White Oats, 80 pounds to the bag.
375 bags clean, sound Yellow Corn, 112 pounds to the bag.
325 bags first quality Bran, 40 pounds to the bag.

—will be received at the office of the Department of Public Parks, No. 49 and 51 Chambers street, New York, until 11 o'clock A. M. on Wednesday, January 21, 1891.

The person or persons making any bid or estimate shall present the same in a sealed envelope, indorsed "Bid or Estimate for Forage," with the name or names of the person or persons presenting the same, and the date of presentation, at the said office, on or before the day and hour above named, at which time and place the bids will be publicly opened by the head of said Department and read, and the award of the contract will be made as soon thereafter as practicable.

All of the articles are to be delivered in such quantities and at such times as may be directed, at the following places:

Sixty-fourth street and Fifth avenue (Arsenal).
Sixty-fourth street and Eighth avenue (Sheepfold).
Eighty-fifth street, Transverse road (Stables).
One Hundred and Fifth street and Fifth avenue (Stables).
One Hundred and Forty-third street and College avenue (Stables).

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

The amount in which security will be required for the performance of the contract is \$2,000.

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

ALBERT GALLUP,
WALDO HUTCHINS,
NATHAN STRAUS,
PAUL DANA,
Commissioners of Public Parks.

AQUEDUCT COMMISSION.

AQUEDUCT COMMISSIONERS' OFFICE,
Room 209, No. 280 Broadway,
New York, January 8, 1891.

NOTICE OF SALE AT PUBLIC AUCTION.

ON FRIDAY, JANUARY 16, 1891, AT ELEVEN o'clock A. M., the Aqueduct Commissioners will sell at Public Auction, by S. P. Smith, Auctioneer, at the office of George B. Burbank, at Brewster, Putnam County, New York, the Division Engineer in charge of the construction of the East Branch Reservoirs, the following buildings now standing on property required for the construction of said reservoirs, viz:

- | Parcel. | Former Owner. | Buildings. |
|-----------|-----------------|--------------------------------------------------------------------------------------------------------------|
| 4..... | W. A. Storm. | Small tenant house, tool house, cow and hay barns, and small out-buildings. |
| 7..... | Hiram Paddock. | Small dwelling-house. |
| 10..... | Mrs. E. Dayton. | House and shed. |
| 15..... | Lydia M. Yale. | Two barns (wagon-house, cow and hay barn). |
| 18 & 18½. | S. C. Barnum. | Large barn, tool-house and five small out-buildings, dwelling (at Mill), two barns, grist mill and saw mill. |
| 24..... | S. C. Barnum. | Tenant-house. |
| 25..... | S. C. Barnum. | Tenant-house. |
| 20..... | D. B. Richards. | Dwelling-house and barn. |
| 22..... | H. C. Barnum. | Small dwelling-house and out-buildings. |
| 23..... | John Martin. | Dwelling-house and two barns. |
| 33..... | John Connor. | Dwelling-house, barn and shed. |
| 35..... | Mary O'Connor. | Dwelling-house, barn, sheds and hay barn. |
| 37..... | A. W. Joyce. | Grist mill, saw mill, barn and corn-house. |
| 18..... | S. C. Barnum. | Picket and board fencing. |

Payments must be made in cash at the time and place of sale, and the said buildings must be removed by the purchaser within three (3) weeks from the date of sale. By order of the Aqueduct Commissioners.

JOHN C. SHEEHAN,
Secretary.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED by the Board of School Trustees for the Nineteenth Ward, at the Hall of the Board of Education, No. 146 Grand street, until 10 o'clock A. M. on Monday, January 12, 1891, for Erecting a New School-house on north-west corner First avenue and East Fifty-first street.

RICHARD KELLY, Chairman,
L. M. HORNTHAL, Secretary,
Board of School Trustees, Nineteenth Ward.

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

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

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

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

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

Dated NEW YORK, December 30, 1890.

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 that part of KELLY STREET (although not yet named by proper authority) extending from Westchester avenue to Wales avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding and to the owner or owners, occupant or occupants of all houses and lots and improved or 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. 200 Broadway (fifth floor), in the said city, on or before the fifth day of January, 1891, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said fifth day of January, 1891, and for that purpose will be in attendance at our said office on each of said ten days at 4 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 twelfth day of January, 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 Stebbins avenue; easterly by a line parallel with, and distant about 50 feet easterly from, the easterly line of Wales avenue and extending from Stebbins avenue to Dawson street and a line parallel with, and distant 100 feet easterly from, the easterly line of Wales avenue and extending from Kelly street to its intersection with the centre line of the block between Kelly street and Beck street; southerly by the centre line of the blocks between Kelly and Beck street, and the prolongation of said centre line westerly from Robbins avenue to Trinity avenue, and westerly by the easterly line of Trinity 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 404 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 twenty-third day of January, 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, December 1, 1890.
DENIS A. SPELLISSY, Chairman,
ROYAL S. CRANE,
NEVIN W. BUTLER,
Commissioners.

CARROLL BERRY,
Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to 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 or 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. 280 Broadway (Room 4), in the said city, on or before the 10th day of January, 1891, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 10th day of January, 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 12th day of January, 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 Fordham road easterly by the centre line of the block between Cedar avenue and Harlem River Terrace; southerly by the northerly line of Cedar avenue and a line at right angles to the westerly line of Cedar avenue at its intersection with the westerly line of Harlem River Terrace, prolonged easterly at right angles to the easterly line of the lands of the New York and Northern Railroad Company, and westerly by the centre line of the block between Harlem River Terrace and a certain unnamed street adjoining the western boundary of the lands of the Spuyten Duyvil and Port Morris R. Co., 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 404 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 28th day of January, 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, November 25, 1890.
JOHN D. NEWMAN, Chairman,
SIDNEY HARRIS,
CHARLES E. SIMMS, JR.,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to the opening of EDGECOMBE ROAD, from One Hundred and Fifty-fifth street to One Hundred and Seventy-fifth street, in the Twelfth 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 or 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. 200 Broadway (fifth floor), in the said city, on or before the fifth day of January, 1891, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said fifth day of January, 1891, and for that purpose will be in attendance at our said office on each of said ten days at one 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 sixth day of January, 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 and included within the blue dotted line shown upon our benefit map deposited as aforesaid, which said line indicates the limit of our assessment district and to which reference is hereby made for the purpose of showing the property assessed by us for the benefit of this improvement and which property is bounded and described generally, as follows: Northerly by the prolongation easterly from the easterly line of Edgecombe road, of the northerly line of One Hundred and Seventy-fifth street; easterly by an irregular line varying in distance from about 65 to about 148 feet easterly of the easterly line of Edgecombe road and extending from the prolongation easterly of the northerly line of One Hundred and Seventy-fifth street to the westerly line of the lands of the Mayor, Aldermen and Commonality used for aqueduct purposes, the westerly line of the lands of the Mayor, Aldermen and Commonality used for aqueduct purposes, and the centre line of the block between Edgecombe road and Exterior street, extending from a line drawn at right angles with the easterly line of Edgecombe road at its intersection with the easterly line of the said lands of the Mayor, Aldermen and Commonality, used for aqueduct purposes, to the northerly line of One Hundred and Fifty-fifth street; southerly by the northerly line of One Hundred and Fifty-fifth street; westerly by the centre line of the block between Edgecombe road and Avenue St. Nicholas and extending from the northerly line of One Hundred and Fifty-fifth street to the easterly line of the said lands of the Mayor, Aldermen and Commonality used for aqueduct purposes, the easterly line of the said lands of the Mayor, Aldermen and Commonality used for aqueduct purposes and by an irregular line between Avenue St. Nicholas and Tenth avenue and Edgecombe road, varying from about 8 feet to about 168 feet westerly of the westerly line of Edgecombe road, 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 404 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 23d day of January, 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, November 24, 1890.
GILBERT M. SPEIR, JR., Chairman,
WILLIAM M. ARMSTRONG,
CONRAD M. SMYTH,
Commissioners.

CARROLL BERRY,
Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to ONE HUNDRED AND SIXTY-EIGHTH STREET (although not yet named by proper authority), extending from Tenth avenue to Kingsbridge road, in the Twelfth Ward of the City of New York.

WE, THE UNDERSIGNED COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding and to the owner or owners, occupant or occupants of all houses and lots and improved or 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. 280 Broadway, Room 4, in the said city, on or before the 31st day of December, 1890, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 31st day of December, 1890, 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 2d day of January, 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 block between One Hundred and Sixty-eighth street and One Hundred and Sixty-ninth street; easterly by westerly line of Tenth avenue; southerly by the centre line of the block between One Hundred and Sixty-seventh street and One Hundred and Sixty-eighth street; westerly by easterly line of Kingsbridge road, excepting from said area all the lands included within the lines of streets, avenues and

roads or portions thereof heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof in the County Court-house in the City of New York, on the 15th day of January, 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, November 19, 1890.
JAMES I. NEALIS, Chairman,
J. EDWARD ACKLEY,
THOMAS J. MILLER,
Commissioners.

JOHN P. DUNN, Clerk.

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,
157 AND 159 EAST SIXTY-SEVENTH STREET,
New York, January 3, 1891.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THIS Department with the following articles:
500,000 pounds Hay, of the quality and standard known as Best Sweet Timothy.
100,000 pounds good, clean Rye Straw.
5,000 bags clean No. 1 White Oats, 80 pounds to the bag.

1,800 bags first quality Bran, 40 pounds to the bag. —will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 157 and 159 East Sixty-seventh street, in the City of New York, until 10 o'clock A. M. Friday, January 16, 1891, at which time and place they will be publicly opened by the head of said Department and read.

All of the articles are to be delivered at the various houses of the Department, in such quantities and at such times as may be directed.

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

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

Proposals must include all the items, specifying the price per cwt. for hay and straw, and per bag for oats and bran.

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

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

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

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

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance, in the sum of six thousand (\$6,000) dollars, and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of three hundred (\$300) dollars. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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W. J. K. KENNY,
Supervisor.

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