

# THE CITY RECORD.

## OFFICIAL JOURNAL.

VOL. XX

NEW YORK, TUESDAY, JULY 19, 1892.

NUMBER 5,837.



### DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending March 31, 1892.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, April 23, 1892.

Hon. HUGH J. GRANT, Mayor :

DEAR SIR—In compliance with section 49 of the New York City Consolidation Act of 1882, I have the honor to present the following report of the transactions of the Department of Public Works for the quarter ended March 31, 1892.

#### SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

|   |                |
|---|----------------|
| On account of appropriations raised by taxation (Consolidation Act of 1882, section 189).....   | \$566,186 96   |
| On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150).....                           | 188,386 78     |
| On account of Funded Debt, for water supply (Consolidation Act, section 141).....   | 31,041 02      |
| On account of Repavement Fund (chapter 346, Laws of 1889).....  | 75,540 46      |
| On account of Criminal Court-house Fund (chapter 371, Laws of 1887, section 8).....   | 166,350 99     |
| On account of Fund for Public Building, Twelfth Ward (chapter 487, Laws of 1890).....   | 17,819 82      |
| On account of Fund for One Hundred and Fifty-fifth Street Viaduct (Consolidation Act, section 144 and chapter 576, Laws of 1887)..... | 110,639 18     |
| On account of Special Fund, for restoring pavements over street openings (Revised Ordinances of 1880, sections 354 to 357).....       | 7,553 17       |
| On account of Revenue Bonds, for furnishing and setting water-meters (Consolidation Act, sections 161 and 352).....                   | 5,607 76       |
| Total.....  | \$1,169,126 14 |

#### SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

|  |                |
|--|----------------|
| 10 sewer contracts, estimated cost.....                  | \$69,035 95    |
| 15 regulating and grading contracts, estimated cost..... | 60,163 67      |
| 6 fencing contracts, estimated cost.....                 | 595 60         |
| 16 electric light and gas contracts, estimated cost..... | 779,410 00     |
| 2 contracts for laying water-mains, estimated cost.....  | 94,714 70      |
| 14 miscellaneous contracts, estimated cost.....          | 131,204 25     |
| 63 contracts, total estimated cost.....                  | \$1,135,124 17 |

Contracts Completed during the Quarter.

|  |              |
|--|--------------|
| 11 sewer contracts, cost.....                  | \$53,738 20  |
| 13 regulating and grading contracts, cost..... | 17,122 43    |
| 10 paving contracts, cost.....                 | 53,946 90    |
| 2 repaving contracts, cost.....                | 56,223 60    |
| 8 miscellaneous contracts, cost.....           | 59,626 29    |
| 44 contracts, total cost.....                  | \$240,657 92 |

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

The following table shows the rainfall for the last three months at the several stations in the Croton water-shed, the Bronx river water-shed and the Central Park, where rain-gauges are kept by this Department :

| LOCATIONS.                    | JANUARY.<br>INCHES. | FEBRUARY.<br>INCHES. | MARCH.<br>INCHES. | TOTAL<br>INCHES. |
|-------------------------------|---------------------|----------------------|-------------------|------------------|
| Boyd's Corners Reservoir..... | 5.95                | 1.22                 | 3.90              | 11.07            |
| Middle Branch Reservoir.....  | 6.43                | 1.07                 | 3.71              | 11.21            |
| Kensico Reservoir.....        | 4.87                | 0.89                 | 1.94              | 7.70             |
| Croton Dam.....               | 5.96                | 1.28                 | 2.92              | 10.16            |
| Central Park Reservoir.....   | 4.87                | 1.16                 | 3.08              | 9.11             |

The natural flow of the Croton river has furnished an ample surplus above the supply drawn for the city's use through the Old and new Aqueducts, and this surplus has, as far possible, been gathered into the storage reservoirs, lakes and ponds, which were all depleted near the close of last year. The Boyd's Corners Reservoir and the East Branch Reservoir were refilled to high-water mark by January 21; by the close of the quarter the Middle Branch Reservoir was filled to within 30 inches of the lip of the overflow; the Aqueduct Commissioners had completed the Bog Brook Reservoir sufficiently to begin filling it with water on February 11, and by March 31 there was 27 feet depth of water or nearly two-thirds its whole capacity. The natural lakes and ponds which are tributary to the city's water supply are filling slowly, but there is every prospect that by the advent of the summer season all the available storage reservoirs, lakes and ponds, will contain their full capacity of stored water.

Considering the inclemency of the season and weather for the past three months fair progress has been made in the construction of Reservoir A under the direction of this Department. The Department has also continued the surveys of the lands required and to be flooded on the completion of Reservoir D on the west branch of the Croton river, the construction of which is progressing under the direction of the Aqueduct Commissioner.

The Kensico Reservoir and the Rye Ponds Reservoir in the Bronx river water-shed refill much more slowly after a drought than the reservoirs in the Croton water-shed, for the reason that their proportion of capacity to the area of available water-shed is much greater. During the last quarter water was gathered in Kensico Reservoir to the depth of 10 feet and in the Rye Ponds Reservoir to the depth of 5 feet. The daily supply now obtained through the Bronx river conduit is 9,000,000 gallons. The contractor for the tunnel and water-way to convey the waters of the Byram river into the Kensico Reservoir to supplement the supply from the Bronx river has been ordered to begin his work.

The daily water supply now received by the city through the three conduits which bring it from the water-sheds is as follows :

|                          | Gallons.    |
|--------------------------|-------------|
| New Aqueduct.....        | 129,000,000 |
| Old Aqueduct.....        | 25,000,000  |
| Bronx River Conduit..... | 9,000,000   |
| Total daily supply.....  | 163,000,000 |

The care, repairs and maintenance of the Old and New Aqueducts have received due attention, and there has been no interruption in the delivery of the required water supply through them.

The only localities in the city from which any complaints are now received of inadequate pressure of water in its delivery in houses are on the higher elevations in the high-service district where the water has to be delivered by artificial pressure through pumping engines, and the supply and pressure are, therefore, limited to the capacity of the pumping machinery irrespective of abundance or deficiency of the water supply delivered by natural pressure or gravity. The increase in population and buildings in these locations is proportionately much greater than in the older portions of the city, and the consequent increase in the demands upon the water service inevitably produce a gradual decrease of pressure in the water-mains and the elevations at which the water can be delivered in the houses, unless the pumping capacity is increased proportionately to these demands. In recognition of the necessity of increasing the pumping capacity for the high-service water supply, the Act, chapter 38, Laws of 1892, has been passed by the present Legislature and approved by the Governor, authorizing this Department, subject to the approval of the Board of Estimate and Apportionment, to expend a sum not exceeding \$500,000 for materials, labor and services in erecting pumping machinery, structures and appurtenances and laying the necessary mains to deliver water at higher elevations from the New Aqueduct. Anticipating this action of the Legislature, the Department has prepared plans for these additional high-service pumping works, to be located on city property adjacent to the New Aqueduct, between Tenth avenue and the Harlem river. The plans include an engine-house, 80 by 120 feet; a boiler-house, 60 by 160 feet; a tower with tank for supplying the highest points on Manhattan Island; a coal-house, 30 by 180 feet; four vertical triple expansion pumping-engines of the combined pumping capacity of 28,000,000 gallons per day; the necessary mains and appurtenances for connections with the High Bridge Reservoir and with the general distributing system, and all appurtenances and facilities for receiving and delivering supplies and material at the Harlem river near the new pumping station. These works will be of double the pumping capacity of the present high-service works, and when completed and brought into use, will therefore be capable of furnishing three times the present limit of the high-service water supply, thus meeting the prospective needs of this service for years to come.

The Department must again record the recurrence in every succeeding winter of the pernicious waste of water by consumers allowing the water to run from their faucets day and night in cold weather to prevent freezing in their pipes and fixtures. The Chief Engineer of the Croton Aqueduct states that during the past winter this waste at times amounted to 13,000,000 gallons per day. It serves as an admonition of the necessity of continuing the present measures for the suppression of waste of water by the enforced use of water-meters in buildings, and the house inspections to detect loss of the water supply through defective plumbing or willful waste.

During the quarter the water service has been extended and improved by the placing of 9,741 lineal feet of additional water-mains, with 27 stop-cocks and 47 fire-hydrants.

The water-meter service has been extended by the placing of 606 additional meters, making a total number of 24,870 meters now in use.

#### BUREAU OF WATER PURVEYOR.

The conditions of the weather, temperature and soil have precluded the prosecution of any pavement work during the past three months except small local repairs required in cases of emergency. The average force employed in making these emergency repairs was 63 mechanics, 63 laborers, 12 carts and one truck, and even this force could only be employed on the comparatively few days when frost and stormy weather did not interfere.

The severest weather of the winter season occurred late in March, thus deferring the commencement of general pavement work considerably beyond the time of former seasons.

On the repavement work there are several contracts standing over from last year and the preceding year, on which no work has yet been done on account of the delay in constructing the Third Avenue Cable Railway. These include the paving of Park Row, from Frankfort street to, and including, Chatham Square; the Bowery, from Chatham Square to Sixth street; Third avenue, from Sixth street to Twenty-third street, and Third avenue, from Twenty-third street to Fifty-ninth street. On the latter contract work was begun immediately after the close of last quarter, and is now in active progress.

In the Water Purveyor's report, hereto annexed, will also be found a list of 14 contracts for new pavements on up-town streets, payable by local assessments, which contracts were made near the close of last year, with the understanding that the work would not be begun until this Spring. In all the cases of paving contracts standing over, the contractors were ordered to begin work as soon as the conditions of the weather and soil were suitable for the prosecution of such work, except on the two contracts for Park Row, Chatham Square and the Bowery, which have to await the further progress and completion of the Third Avenue Cable Railway construction.

To forestall as far as possible any disruption of the new pavements to be laid this year on account of underground structures owned and operated by private corporations and individuals, all such corporations, including gas companies, electric subway companies, telegraph companies, electric light companies, and the New York Steam Company, have been furnished with lists of the streets which are to be paved or repaved, and with notice that, after the pavement works are commenced and the new pavements are laid, they will not be allowed to disturb them for any purpose whatever.

In the Legislature of 1891 a bill was passed by the Assembly to extend the operation of the Repavement Act of 1889, and the annual appropriation of \$1,000,000 for repavements, but the Republican majority in the Senate refused to concur in the action of the Assembly. The question



was taken up again by the Legislature of 1892, and the Act, chapter 35 of the Laws of 1892, passed both Houses and was approved by the Governor February 16, authorizing a further expenditure of \$3,000,000 for repavements to be designated by the Board of Estimate and Apportionment, and limiting the expenditure to \$1,500,000 in any one year. As soon as this act was passed the proper officers of this Department applied themselves to the labor of making surveys and examinations to arrive at a proper selection of the streets to be repaved this year in accordance with the general plan for repavements which has been described in previous annual, quarterly and special reports. On March 2 I submitted to the Board of Estimate and Apportionment a list of streets recommended by me for repavement, in accordance with this plan, at a total estimated cost of \$1,480,500, divided about equally between granite-block pavements on concrete foundation for commercial streets and avenues, and asphalt pavements on residential streets. At the close of last quarter the Board of Estimate and Apportionment had not yet taken action on my report and recommendation.

The care and repairs of the water-mains, stop-cocks and fire-hydrants comprised in the system for distributing the city's water-supply require and have received special attention during the winter season. An average force of 37 mechanics, 94 laborers and 16 carts has been employed on this work which is summarized as follows for the quarter:

- 90 old fire-hydrants removed and replaced by new ones.
- 2 additional fire-hydrants placed.
- 664 fire-hydrants repaired.
- 585 defects and leaks in water-mains and stop-cocks repaired.

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

During the quarter nine contracts for the construction of new sewers and two contracts for the construction of receiving-basins have been completed, and the aggregate amount of new sewer construction is 4,203 lineal feet of sewers and 3 receiving-basins. The sewerage system on Manhattan Island now includes 445.09 miles of sewers, with 5,317 receiving-basins. At the close of the quarter work was in progress on 27 sewer contracts.

The principal items and quantities of work done in repairing and cleaning sewers are:

- 1,806 receiving-basins cleaned.
- 22,441 lineal feet of sewers cleaned.
- 327,962 lineal feet of sewers examined.
- 274 lineal feet of brick sewer rebuilt or repaired.
- 74 lineal feet of new pipe sewer and culverts laid.
- 2 new bulkheads built.
- 2 new manholes built.
- 25 new manhole heads and 69 new manhole covers placed.
- 4 new granite basin-heads and 24 new basin covers placed.

#### BUREAU OF STREET IMPROVEMENTS.

Work has been in progress during the past quarter on 18 regulating and grading contracts, and a number of small flagging contracts, ten of the latter being completed.

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

- 1,400 cubic yards earth excavated.
- 15,870 cubic yards rock excavated.
- 7,600 cubic yards filling placed in embankments.
- 1,207 lineal feet curb-stone set.
- 1,152 lineal feet curb-stone reset.
- 28,445 square feet new flagging laid.
- 6,659 square feet flagging relaid.

In the care and repairs of sidewalks fronting on city property, 13,864 square feet of new flagging was laid, 1,077 square feet flagging relaid, and 1,017 lineal feet of curb-stones set.

#### BUREAU OF STREETS AND ROADS.

This Bureau has given proper attention during the quarter to the care and maintenance of the macadam roadways and unpaved streets in the upper part of the city, the principal items of work done being as follows:

- 2,262 square yards of roadway resurfaced.
- 60 lineal feet of stone drains built.
- 2,230 truck-loads of dirt and sweepings removed.
- 329 cubic yards of broken stone and 90 cubic yards of gravel removed.
- 15,800 lineal feet of unpaved roadways reggraded.
- 250 square yards of unpaved roadways surfaced with broken stone.

#### BUREAU OF LAMPS AND GAS.

The following are the changes and additions made in the public lamps during the quarter:

- 31 new gas-lamps placed and lighted.
- 10 new electric-lamps placed and lighted.
- 55 old gas lamps relighted.
- 61 old electric-lamps relighted.
- 46 old gas-lamps discontinued.
- 317 gas-lamps displaced by electric-lamps.

At the close of the quarter, there were 26,806 gas-lamps, 1,270 electric-lamps, and 140 naphtha-lamps in use on the streets, parks, places, docks and bridges of the city.

#### BUREAU OF REPAIRS AND SUPPLIES.

The work on the new Criminal Court Building has unavoidably been retarded by the unfavorable weather during the winter season, and recently by a strike of the Building Trades' Union. A

detailed description of the present status of this work will be found in the report of the Superintendent of Repairs and Supplies, hereto annexed, from which it will be seen that the structure will be ready for roofing at an early day.

The new Harlem Court Building is under roof and thoroughly enclosed, and only the interior carpenter-work, plastering, painting, etc., remain to be done.

The report of the Superintendent of Repairs and Supplies gives a detailed account of the various alterations, improvements and repairs made in the public buildings and offices which are under the care of this Department, of which I mention the following prominent items:

Fitting up a waiting-room for females in the brown-stone Court-house, in connection with the business of the Court of General Sessions and the District Attorney's Office.

Enlarging and fitting up the office of the Bureau of Streets and Roads in this building, No. 31 Chambers street.

Making extensive repairs on the roof of West Washington Market, and on the roofs of several of the buildings in West Washington Market.

Making similar repairs on the roof of Fulton Market.

Completing the contract for new flooring, removal of sidewalk sheds and stands and reflagging the sidewalks at Clinton Market.

Making contracts and specifications for alterations of two buildings in West Washington Market to render them more secure against damage from fire; for repairs to the buildings Nos. 8 to 14 Chambers street, now completed; for the removal of the dog pound, foot of East One Hundred and Second street, to clear the space required for dock improvements; also fuel, ice and janitors' supplies for the various buildings and offices; for general repairs to the free floating baths; for repairs to the portico and steps on the Centre street front of the Tombs building, and for alterations to the steam-heating and ventilating apparatus in the new Court-house.

The Department of Docks has, on requisition from this Department, assigned suitable berths for the 15 free floating baths for the bathing season of 1892, and the baths will be ready to be placed in their respective positions as soon as the season opens.

#### BUREAU OF INCUMBRANCES.

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

- 1,029 complaints of obstructions received and attended to.
- 1,215 seizures and removals of obstructions made.
- 145 cart-loads of dirt, stone and other refuse material removed from streets.
- 174 dangerous shade trees, stumps and posts removed.
- 429 telegraph poles and about 461 miles of electric wires removed.
- 1,263 permits issued to place building materials on streets.
- 271 miscellaneous permits issued.
- 11 notices issued to repair defective vault covers.

#### BUREAU OF WATER REGISTER.

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

|                                      |              |
|--------------------------------------|--------------|
| For water rents .....                | \$326,940 01 |
| For penalties on water rents .....   | 1,957 05     |
| For permits to tap water-pipes ..... | 2,059 00     |
| Total .....                          | \$330,956 c6 |

#### MISCELLANEOUS REVENUE.

The following revenue from miscellaneous sources has been collected and paid into the City Treasury during the quarter:

|   |             |
|---|-------------|
| For sewer permits .....                                 | \$6,038 89  |
| For vault permits .....                                 | 17,141 02   |
| For redemption of street obstructions .....             | 915 75      |
| For articles sold at auction .....                      | 652 50      |
| For work and materials furnished citizens .....         | 4,508 88    |
| For use of road rollers .....                           | 212 01      |
| For restoration of pavements over street openings ..... | 11,195 c0   |
| For furnishing and setting water-meters .....           | 3,613 59    |
| Total .....   | \$44,277 64 |

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

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

Very respectfully,

THOS. F. GILROY, Commissioner of Public Works.

#### Document "A."

Showing Titles of Appropriations; Appropriations and Transfers of 1891; Requisitions from January 1 to December 31, 1891; Requisitions on Liabilities of 1891 during First Quarter of 1892; Balances of 1891 on April 1, 1892; Appropriations for 1892; Requisitions, First Quarter of 1892; Balances on April 1, 1892; Memoranda of 1891; also the Titles and Expenditures on Trust and Special Accounts.

| TITLES OF APPROPRIATIONS.   | APPROPRIATIONS, INCLUDING TRANSFERS, 1891. | REQUISITIONS FROM JANUARY 1 TO DECEMBER 31, 1891. | REQUISITIONS ON LIABILITIES OF 1891, DURING FIRST QUARTER, 1892. | BALANCES OF 1891 ON APRIL 1, 1892. | APPROPRIATIONS FOR 1892. | REQUISITIONS, FIRST QUARTER, 1892. | BALANCES ON APRIL 1, 1892. |
|---|--|---|--|------------------------------------|--------------------------|------------------------------------|----------------------------|
| Aqueduct—Repairs, Maintenance and Strengthening—                          |  |   |  |                                    |                          |                                    |                            |
| Care, Maintenance and Repairs .....                                       | \$100,000 00                               | \$185,393 02                                      | \$12,069 92  | \$2,537 06                         | \$215,000 00             | \$39,217 90                        | \$175,782 10               |
| Concrete and Facing with Masonry the Old Central Park Reservoir .....     | 70,000 00                                  |   |  | 70,000 00                          |                          |                                    |                            |
| Paquet Wall and Railing around the Old Central Park Reservoir .....       |  |   |  |                                    | 4,000 00                 |                                    | 4,000 00                   |
| Aqueduct—Repairs, Maintenance and Strengthening—Salaries .....            | 27,850 00                                  | 26,722 45   | 20 00  | 1,107 55                           | 27,850 00                | 6,761 49                           | 21,088 51                  |
| Boring Examinations for Grading and Sewer Contracts .....                 | 3,600 00                                   | 3,590 50  |  | 3 50                               | 5,000 00                 | 745 00                             | 4,255 00                   |
| Boulevards, Roads and Avenues, Maintenance of .....                       |  |   |  |                                    | 90,000 00                | 12,013 19                          | 77,986 81                  |
| General Account, including Ramp for Approach to McComb's Dam Bridge ..... | 100,500 00                                 | 100,303 06  | 129 10   | 67 84                              |                          |                                    |                            |
| For Resurfacing Seventh Avenue .....                                      | 40,000 00                                  | 39,039 93   |  | 360 07                             |                          |                                    |                            |
| For Resurfacing Sixth or Lenox Avenue .....                               | 2,500 00                                   | 2,499 96  |  | 04                                 | 40,000 00                | 6 49                               | 1,875 01                   |
| Boulevards, Roads and Avenues, Maintenance of—Salaries .....              | 25,000 00                                  | 24,133 31   | 774 41   | 42 28                              | 25,000 00                | 5,179 34                           | 19,820 66                  |
| Bronx River Works—Maintenance and Repairs .....                           | 2,400 00                                   | 2,400 00  |  |                                    | 2,400 00                 | 441 38                             | 1,958 62                   |
| Contingencies—Department of Public Works .....                            | 4,000 00                                   | 3,137 42  | 771 67   | 90 91                              | 4,000 00                 | 695 53                             | 3,304 47                   |
| Flagging Sidewalks and Fencing Vacant Lots, etc. ....                     | 5,699 31                                   | 4,187 84  | 4,187 84   | 1,111 42                           | 2,000 00                 | 7 00                               | 1,993 00                   |
| For New Fire Hydrants .....   | 50,000 00                                  | 16,418 87   | 7,053 65   | 26,527 48                          | 5,000 00                 | 662 80                             | 4,337 20                   |
| Free Floating Baths—Care and Maintenance .....                            | 18,000 00                                  | 17,074 69   | 868 31   | 57 00                              | 18,000 00                | 1,828 62                           | 16,171 38                  |
| Free Floating Baths—Care and Maintenance—Salaries .....                   | 30,000 00                                  | 23,860 00   | 132 50   | 7 50                               | 30,000 00                | 2,174 00                           | 27,826 00                  |
| Lamps and Gas and Electric Lighting .....                                 | 760,000 00                                 | 700,118 66  | 59,581 14  | 300 20                             | 804,500 00               | 127,405 26                         | 677,094 74                 |
| Lamps and Gas and Electric Lighting—Salaries .....                        | 6,500 00                                   | 6,480 05  |  | 10 95                              | 6,500 00                 | 1,624 95                           | 4,875 05                   |
| Laying Croton Pipes .....   | 230,290 00                                 | 170,657 16  | 14,711 25  | 44,921 59                          | 230,290 00               | 6,069 17                           | 224,220 83                 |



| TITLES OF APPROPRIATIONS.  | APPROPRIATIONS, INCLUDING TRANSFERS, 1891. | REQUISITIONS FROM JANUARY 1 TO DECEMBER 31, 1891. | REQUISITIONS ON LIABILITIES OF 1891, DURING FIRST QUARTER, 1892. | BALANCES OF 1891, ON APRIL 1, 1892. | APPROPRIATIONS FOR 1892. | REQUISITIONS, FIRST QUARTER, 1892. | BALANCES ON APRIL 1, 1892. |
|--|--|---|--|-------------------------------------|--------------------------|------------------------------------|----------------------------|
| Laying Croton Pipes—Salaries.....  | \$19,710 00                                | \$16,829 65                                       | \$112 00   | \$2,768 35                          | \$19,710 00              | \$4,090 99                         | \$15,619 01                |
| Public Buildings—Construction and Repairs.....                             | 94,900 00                                  | 87,038 72   | 7,239 12   | 622 16                              | 107,500 00               | 11,046 08                          | 96,453 92                  |
| Public Drinking-hydrants.....  | 3,600 00                                   | 2,970 84  | 28 20  | 96                                  | 2,000 00                 | 18 65                              | 1,981 35                   |
| Public Drinking-hydrants—Salaries.....                                     | 1,200 00                                   | 881 84  | .....  | 315 16                              | 1,200 00                 | 300 00                             | 900 00                     |
| Removing Obstructions in Streets and Avenues.....                          | 46,238 99                                  | 43,110 20   | 3,119 00   | 9 79                                | 42,000 00                | 8,926 95                           | 33,073 05                  |
| Removing Obstructions in Streets and Avenues—Salaries.....                 | 7,800 00                                   | 7,800 00  | .....  | .....                               | 7,800 00                 | 2,025 00                           | 5,775 00                   |
| Repairing and Renewal of Pipes, Stop cocks, etc.....                       | 221,000 00                                 | 219,372 82  | 1,609 29   | 17 89                               | 215,000 00               | 36,068 40                          | 178,931 60                 |
| Repairing and Renewal of Pavements and Regrading.....                      | 300,000 00                                 | 281,088 35  | 11,502 04  | 7,409 61                            | 350,000 00               | 14,345 97                          | 335,654 03                 |
| Repairing and Renewal of Pavements and Regrading—Salaries.....             | 17,000 00                                  | 16,145 50   | 128 00   | 726 50                              | 17,000 00                | 3,599 00                           | 13,401 00                  |
| Repaving Streets and Avenues.....  | 350,000 00                                 | 179,13 29   | 4,973 49   | 165,923 22                          | 350,000 00               | .....                              | 350,000 00                 |
| Repaving Streets and Avenues—Salaries.....                                 | 13,000 00                                  | 12,265 75   | 70 00  | 604 25                              | 13,000 00                | 1,287 50                           | 11,712 50                  |
| Roads, Streets and Avenues Unpaved—Maintenance, etc.....                   | 30,000 00                                  | 28,378 54   | 1,547 51   | 73 92                               | 30,000 00                | 1,872 62                           | 28,127 38                  |
| Salaries—Department of Public Works.....                                   | 95,000 00                                  | 92,110 87   | .....  | 2,889 13                            | 95,000 00                | 23,250 68                          | 71,749 32                  |
| Salaries—Engineers, Clerks, Inspectors, etc.....                           | 58,000 00                                  | 56,412 82   | 461 30   | 1,125 68                            | 58,000 00                | 14,027 99                          | 43,972 01                  |
| Salaries—Engineers, Inspectors, etc.—Repaving, Chapter 346, Laws 1889..... | 125,000 00                                 | 110,675 10  | 7,604 26   | 6,720 64                            | 10,000 00                | 5,731 05                           | 4,268 95                   |
| Sewers—Repairing and Cleaning—Salaries.....                                | 10,000 00                                  | 9,823 02  | 80 00  | 96 08                               | 10,000 00                | 2,409 98                           | 7,590 02                   |
| Sewerage System—Salaries.....  | 8,600 00                                   | 8,146 17  | .....  | 453 83                              | 8,400 00                 | 2,100 00                           | 6,300 00                   |
| Street Improvements—For Surveying, Monumenting, etc.....                   | 3,000 00                                   | 2,354 50  | 90 00  | 555 50                              | 3,000 00                 | 555 00                             | 2,445 00                   |
| Supplies for and Cleaning Public Offices.....                              | 139,250 00                                 | 114,157 79  | 23,391 75  | 1,700 46                            | 139,250 00               | 23,261 74                          | 115,988 26                 |
| Supplies for and Cleaning Public Offices—Salaries.....                     | 18,920 00                                  | 18,521 59   | .....  | 398 41                              | 10,920 00                | 4,779 87                           | 14,140 13                  |
| Supplying Water to Shipping and for Building Purposes—Salaries.....        | 10,000 00                                  | 9,913 05  | 86 00  | 95                                  | 10,000 00                | 1,987 00                           | 8,013 00                   |
| Surveys, Maps, etc., for Street Openings, etc.—Salaries.....               | 7,100 00                                   | 7,099 92  | .....  | 8                                   | 7,100 00                 | 1,774 98                           | 5,325 02                   |
| Water Supply for the Twenty-fourth Ward.....                               | 3,900 00                                   | 3,300 11  | 301 28   | 238 61                              | 5,000 00                 | 490 85                             | 4,509 14                   |
| Water Supply for the Twenty-fourth Ward—Salaries.....                      | 1,200 00                                   | 1,200 00  | .....  | .....                               | 1,200 00                 | 360 00                             | 900 00                     |
| Wells and Pumps—Repairing and Cleaning.....                                | 250 00                                     | .....   | 87 70  | 162 30                              | 250 00                   | .....                              | 250 00                     |
| Totals.....  | \$3,160,408 30                             | \$2,657,658 47                                    | \$162,730 96   | \$340,018 87                        | \$3,148,770 00           | \$392,732 23                       | \$2,756,037 77             |

NOTE.—Requisitions drawn First Quarter, 1892, on Liabilities of 1890, Aqueduct—Repairs, Maintenance and Strengthening—Care and Maintenance, \$2,355 53; Aqueduct—Repairs, Maintenance and Strengthening—Completing Excavation in Old Central Park Reservoir, \$6,759; Repairs and Renewal of Pavements, etc., \$661 68; Repaving Streets and Avenues, \$747 56; Retaining-walls in East Fifty-first Street and East Forty-second Street, \$200; Repaving, Chapter 346, Laws of 1889, \$53,879; Repaving, Chapter 346, Laws of 1891, \$21,661 46.

| TITLES OF TRUST ACCOUNTS.   | BALANCES AND RETURNS OF ARREARS FROM 1891. | RECEIPTS, FIRST QUARTER, 1892. | BALANCES, ETC., 1891, AND RECEIPTS, FIRST QUARTER, 1892. | REQUISITIONS, FIRST QUARTER, 1892. | BALANCES ON APRIL 1, 1892. |
|---|--|--------------------------------|--|------------------------------------|----------------------------|
| Croton Water Fund.....  | .....                                      | .....                          | .....  | \$31,041 02                        | .....                      |
| Street Improvement Fund.....  | .....                                      | .....                          | .....  | 188,386 78                         | .....                      |
| Restoring and Repaving—Special Fund—Department of Public Works..... | \$13,031 88                                | \$11,195 00                    | \$24,226 88  | 7,513 17                           | \$16,673 71                |
| Water Meter Fund, No. 2.....  | 23,380 94                                  | 3,613 59                       | 26,994 53  | 5,607 76                           | 21,386 77                  |
| Criminal Court-house Fund.....                                      | .....                                      | .....                          | .....  | 166,350 99                         | .....                      |
| Fund for Viaduct from St. Nicholas place, etc.....                  | .....                                      | .....                          | .....  | 110,619 18                         | .....                      |
| Public Building, Twelfth Ward, Construction of.....                 | .....                                      | .....                          | .....  | 17,819 82                          | .....                      |

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

| SOURCE OF REVENUE.                        | TOTAL.       |
|---|--------------|
| Water rents.....                          | \$325,910 01 |
| Water penalties.....                      | 1,957 05     |
| Pipe tapping.....                         | 2,039 00     |
| Sewer permits.....                        | 6,038 89     |
| Vault permits.....                        | 17,141 02    |
| Redemption of street obstructions.....    | 915 75       |
| Use of road rollers.....                  | 212 01       |
| Sales at auction.....                     | 652 50       |
| Work and material furnished citizens..... | 4,508 88     |
| Totals.....                               | \$370,425 11 |

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 March 31, 1892.

#### APPROPRIATIONS.

##### Aqueduct—Repairs, Maintenance and Strengthening, 1892—

|                                 |             |
|---------------------------------|-------------|
| Boiler compound.....            | \$100 00    |
| Cement.....                     | 11 50       |
| Coal.....                       | 5,297 22    |
| Glass.....                      | 71 84       |
| Hardware supplies.....          | 297 64      |
| Horse-hire.....                 | 171 00      |
| Lumber.....                     | 366 05      |
| Oil.....                        | 301 50      |
| Pay-rolls.....                  | 29,588 27   |
| Paint.....                      | 98 49       |
| Packing.....                    | 59 16       |
| Repairs to hoisting engine..... | 96 81       |
| Repairs to pumping engine.....  | 240 42      |
| Sundry supplies, etc.....       | 196 67      |
| Taxes.....                      | 2,271 97    |
| Traveling expenses.....         | 49 36       |
| Total.....                      | \$39,217 90 |

##### Aqueduct—Repairs, Maintenance and Strengthening, 1891—

|  |             |
|--|-------------|
| Blacksmithing.....                         | \$343 27    |
| Building-stone.....                        | 250 00      |
| Brick.....                                 | 140 00      |
| Building iron fence.....                   | 975 00      |
| Cement.....                                | 520 00      |
| Coal.....                                  | 50 00       |
| Glass.....                                 | 58 40       |
| Hardware supplies.....                     | 106 85      |
| Horse-hire.....                            | 462 00      |
| Lumber.....                                | 910 97      |
| Manure.....                                | 450 00      |
| Pay-roll.....                              | 113 50      |
| Rental of telephones.....                  | 470 00      |
| Repairs to telephone.....                  | 37 30       |
| Renewing tubes in boilers.....             | 1,007 00    |
| Repairs to engine and pump.....            | 469 31      |
| Sand.....                                  | 257 50      |
| Sundry supplies.....                       | 434 05      |
| Skylight.....                              | 475 00      |
| Supply of water from Sing Sing Prison..... | 1,830 00    |
| Taxes.....                                 | 1,950 01    |
| Traveling expenses.....                    | 55 15       |
| Water filter.....                          | 650 00      |
| Wood.....                                  | 48 00       |
| Total.....                                 | \$12,069 92 |

##### Aqueduct—Repairs, Maintenance and Strengthening, 1890—

|  |            |
|--|------------|
| Improvement of Old Reservoir in Central Park.....                                    | \$6,759 00 |
| Connecting gate-house at One Hundred and Thirty-fifth street and Convent avenue..... | 2,355 53   |
| Total.....   | \$9,114 53 |

##### Boring Examinations for Grading and Sewer Contracts, 1892—

|               |          |
|---------------|----------|
| Pay-roll..... | \$745 00 |
|---------------|----------|

##### Boulevards, Roads and Avenues, Maintenance of, 1892—

|  |             |
|--|-------------|
| Coal.....  | \$15 00     |
| Horse-hire.....  | 180 00      |
| Lumber.....  | 78 52       |
| Paint.....   | 83 95       |
| Pay-rolls.....   | 10,772 39   |
| Material and work on McComb's Dam bridge approach..... | 550 00      |
| Rent of lot.....                                       | 333 33      |
| Total.....   | \$12,013 19 |

##### Boulevards, Roads and Avenues, Maintenance of, 1891—

|                          |          |
|--------------------------|----------|
| Coal.....                | \$10 00  |
| Pay-rolls.....           | 79 75    |
| Repairing Sprinkler..... | 5 00     |
| Telephone service.....   | 33 75    |
| Total.....               | \$129 10 |

##### Bronx River Works—Maintenance and Repairs, 1892—

|                |            |
|----------------|------------|
| Pay-rolls..... | \$4,702 00 |
| Taxes.....     | 477 34     |
| Total.....     | \$5,179 34 |

##### Bronx River Works—Maintenance and Repairs, 1891—

|                        |          |
|------------------------|----------|
| Blacksmithing.....     | \$37 40  |
| Hardware supplies..... | 111 60   |
| Lumber.....            | 100 00   |
| Pay-rolls.....         | 253 00   |
| Paint supplies.....    | 114 37   |
| Taxes.....             | 158 04   |
| Total.....             | \$774 41 |

##### Contingencies—Department of Public Works, 1892—

|  |          |
|--|----------|
| Analyzing asphalt.....                 | \$100 00 |
| Horse-hire.....                        | 90 00    |
| Postage stamps.....                    | 100 00   |
| Miscellaneous incidental expenses..... | 263 85   |
| Traveling expenses.....                | 141 68   |
| Total.....                             | \$695 53 |

##### Contingencies—Department of Public Works, 1891—

|  |          |
|--|----------|
| Drawing material.....                  | \$50 98  |
| Horse-hire.....                        | 180 00   |
| Postage stamps.....                    | 14 75    |
| Miscellaneous incidental expenses..... | 136 15   |
| Traveling expenses.....                | 389 79   |
| Total.....                             | \$771 67 |

##### Flagging Sidewalks and Fencing Vacant Lots in Front of City Property, 1892—

|                |        |
|----------------|--------|
| Pay-rolls..... | \$7 00 |
|----------------|--------|

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

|  |            |
|--|------------|
| Around Clinton Market.....                     | \$2,608 86 |
| Around Corporation Yard, Rivington street..... | 1,564 98   |
| Pay-rolls.....                                 | 14 00      |
| Total.....                                     | \$4,187 84 |

##### For New Fire-hydrants, 1892—

|                       |          |
|-----------------------|----------|
| Placing hydrants..... | \$662 80 |
|-----------------------|----------|

##### For New Fire-hydrants, 1891—

|                           |            |
|---------------------------|------------|
| Cast iron water-pipe..... | \$6,493 15 |
| Placing hydrants.....     | 560 50     |
| Total.....                | \$7,053 65 |

##### Free Floating Baths—Care and Maintenance, 1892—

|                         |            |
|-------------------------|------------|
| Pay-rolls.....          | \$339 00   |
| Rubber steps.....       | 55 50      |
| Sundry supplies.....    | 65 00      |
| Traveling expenses..... | 19 12      |
| Wharfage.....           | 1,350 00   |
| Total.....              | \$1,828 62 |

##### Free Floating Baths—Care and Maintenance, 1891—

|                      |          |
|----------------------|----------|
| Pay-rolls.....       | \$14 00  |
| Sundry supplies..... | 156 81   |
| Wharfage.....        | 697 50   |
| Total.....           | \$868 31 |



## Lamps and Gas and Electric Lighting, 1892—

|                              |              |
|------------------------------|--------------|
| Gas examinations.....        | \$282 50     |
| Gas fixtures.....            | 49 74        |
| Gas governors.....           | 520 00       |
| Fire-alarm signal lamps..... | 82 50        |
| Horse-hire.....              | 240 00       |
| Lighting offices.....        | 10,238 13    |
| Lighting streets.....        | 114,552 14   |
| Lamp-irons.....              | 84 00        |
| Pay-rolls.....               | 771 00       |
| Pressure register.....       | 80 50        |
| Repairs to gas-holder.....   | 174 75       |
| Repairing metal-signs.....   | 290 00       |
| Repairing gas-governors..... | 40 00        |
| Total.....                   | \$127,405 26 |

## Lamps and Gas and Electric Lighting, 1891—

|                                      |             |
|--------------------------------------|-------------|
| Cleaning globes in public parks..... | \$29 36     |
| Fire-alarm signal lamps.....         | 82 50       |
| Gas examination.....                 | 138 00      |
| Horse-hire.....                      | 130 00      |
| Lighting offices.....                | 209 60      |
| Lighting streets.....                | 58,638 23   |
| Pay-rolls.....                       | 26 00       |
| Rent of photometrical rooms.....     | 240 00      |
| Traveling expenses.....              | 117 45      |
| Total.....                           | \$59,581 14 |

## Laying Croton Pipes, 1892—

|                         |            |
|-------------------------|------------|
| Pay-rolls.....          | \$5,930 52 |
| Traveling expenses..... | 138 65     |
| Total.....              | \$6,069 17 |

## Laying Croton Pipes, 1891—

|                          |             |
|--------------------------|-------------|
| Cast-iron pipes.....     | \$5,491 45  |
| Coal, coke and wood..... | 130 00      |
| Horse-hire.....          | 270 00      |
| Laying water-pipes.....  | 8,134 02    |
| Pay-rolls.....           | 567 75      |
| Traveling expenses.....  | 118 03      |
| Total.....               | \$14,711 25 |

## Public Buildings—Construction and Repairs, 1892—

|                                      |             |
|--------------------------------------|-------------|
| Armory, Eighth Regiment.....         | \$16 72     |
| “ Sixty-ninth “.....                 | 119 75      |
| “ Second Battery.....                | 88 70       |
| “ Troop “A”.....                     | 55 60       |
| Brown-stone Building.....            | 440 50      |
| Bureau of Repairs and Supplies.....  | 669 14      |
| City Hall.....                       | 350 50      |
| County Jail.....                     | 180 01      |
| Court, First District, Civil.....    | 294 55      |
| “ Fourth “.....                      | 2 96        |
| “ Fifth “.....                       | 103 40      |
| Court, First District, Police.....   | 5 38        |
| “ Second “.....                      | 18 90       |
| “ Third “.....                       | 6 45        |
| “ Fourth “.....                      | 48 56       |
| “ Sixth “.....                       | 7 57        |
| Court-house, County.....             | 979 04      |
| Dog Pound.....                       | 1,050 00    |
| Hall of Records.....                 | 178 33      |
| Ludlow Street Jail.....              | 66 14       |
| Market, Centre.....                  | 125 00      |
| “ Clinton.....                       | 426 01      |
| “ Essex.....                         | 305 00      |
| “ Fulton.....                        | 249 49      |
| “ Tompkins.....                      | 11 80       |
| “ West Washington.....               | 445 29      |
| “ Washington.....                    | 39 94       |
| Pay-rolls.....                       | 4,006 75    |
| Stewart Building.....                | 267 71      |
| Staats Zeitung Building.....         | 5 30        |
| No. 49 Beekman street.....           | 13 80       |
| Nos. 8 to 14 Chambers street.....    | 47 98       |
| No. 31 Chambers street.....          | 296 19      |
| No. 2622 Third avenue.....           | 81 40       |
| Sixteenth street and East river..... | 42 16       |
| Total.....                           | \$11,046 08 |

## Public Buildings—Construction of, 1891—

|                                   |            |
|-----------------------------------|------------|
| Armory, Eighth Regiment.....      | \$94 35    |
| “ Ninth.....                      | 38 57      |
| “ Sixty-ninth “.....              | 17 58      |
| “ Troop “A”.....                  | 14 55      |
| Brown-stone Building.....         | 249 28     |
| Bureau Repairs and Supplies.....  | 742 65     |
| City Hall.....                    | 136 49     |
| Court, First District Police..... | 15 75      |
| “ Second “.....                   | 23 74      |
| “ Third “.....                    | 613 09     |
| “ Sixth District Civil.....       | 1 92       |
| Court-house, County.....          | 844 47     |
| Hall of Records.....              | 101 43     |
| Ludlow Street Jail.....           | 23 45      |
| Market, Centre.....               | 150 17     |
| “ Essex.....                      | 81 12      |
| “ Fulton.....                     | 236 10     |
| “ Union.....                      | 10 67      |
| “ Tompkins.....                   | 93 00      |
| “ West Washington.....            | 535 00     |
| “ Washington.....                 | 368 83     |
| Pay-rolls.....                    | 228 75     |
| Stewart Building.....             | 233 07     |
| Nos. 8 to 14 Chambers street..... | 2,194 00   |
| No. 31 Chambers street.....       | 126 09     |
| No. 5 Duane street.....           | 65 00      |
| Total.....                        | \$7,239 12 |

## Public Drinking-hydrants, 1892—

|                        |         |
|------------------------|---------|
| Drinking-hydrants..... | \$18 65 |
|------------------------|---------|

## Public Drinking-hydrants, 1891—

|                         |         |
|-------------------------|---------|
| Repairing hydrants..... | \$28 20 |
|-------------------------|---------|

## Removing Obstructions in Streets and Avenues, 1892—

|                              |            |
|------------------------------|------------|
| Horse-hire.....              | \$180 00   |
| Pay-rolls.....               | 1,902 00   |
| Removing obstructions.....   | 1,376 50   |
| Removing poles and wire..... | 4,936 50   |
| Removing trees.....          | 392 00     |
| Traveling expenses.....      | 139 95     |
| Total.....                   | \$8,926 95 |

## Removing Obstructions in Streets and Avenues, 1891—

|                              |            |
|------------------------------|------------|
| Pay-rolls.....               | \$104 00   |
| Removing obstructions.....   | 362 00     |
| Removing poles and wire..... | 2,443 00   |
| Removing trees.....          | 210 00     |
| Total.....                   | \$3,119 00 |

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

|                           |             |
|---------------------------|-------------|
| Cement.....               | \$27 00     |
| Coal, wood and coke.....  | 180 00      |
| Caulking yarn.....        | 77 50       |
| Damages.....              | 42 71       |
| Hardware supplies.....    | 175 20      |
| Lanterns.....             | 78 88       |
| Pressure gauges.....      | 160 00      |
| Pay-rolls.....            | 34,024 97   |
| Relaying pavement.....    | 10 86       |
| Relaying water-mains..... | 892 80      |
| Sundry supplies, etc..... | 166 25      |
| Traveling expenses.....   | 4 95        |
| Waste valves.....         | 140 28      |
| Whitewood plugs.....      | 87 00       |
| Total.....                | \$36,068 40 |

## Repairing and Renewal of Pipes, Stop-cocks, etc., 1891—

|                                 |            |
|---------------------------------|------------|
| Changing taps.....              | \$92 65    |
| Pay-rolls.....                  | 1,210 00   |
| Repairs to tapping machine..... | 60 60      |
| Repairs to stop-cocks.....      | 58 78      |
| Telephone service.....          | 168 75     |
| Traveling expense.....          | 18 51      |
| Total.....                      | \$1,609 29 |

## Repairs and Renewal of Pavements and Regrading, 1892—

|                           |             |
|---------------------------|-------------|
| Coal.....                 | \$5 00      |
| Horse-hire.....           | 500 00      |
| Pay-rolls.....            | 13,683 24   |
| Paving cement.....        | 15 68       |
| Repairing tar kettle..... | 30 00       |
| “ tools.....              | 81 80       |
| Traveling expenses.....   | 30 25       |
| Total.....                | \$14,345 97 |

## Repairs and Renewal of Pavements and Regrading, 1891—

|                         |             |
|-------------------------|-------------|
| Cement (Rosendale)..... | \$165 00    |
| Coke.....               | 21 00       |
| Horse-hire.....         | 255 00      |
| Kerosene oil.....       | 14 40       |
| Laying crosswalks.....  | 84 00       |
| Pay-rolls.....          | 4,482 62    |
| Rent of lot.....        | 62 50       |
| Repairing pavement..... | 1,281 79    |
| “ tools.....            | 198 05      |
| Sand.....               | 4,815 33    |
| Traveling expenses..... | 122 35      |
| Total.....              | \$11,502 04 |

## Repairs and Renewal of Pavements and Regrading, 1890—

|                        |          |
|------------------------|----------|
| Relaying pavement..... | \$661 68 |
|------------------------|----------|

## Repaving (Chapter 346, Laws of 1889), 1891—

|   |             |
|---|-------------|
| Grand street, from Broadway to Goerck street.....         | \$13,967 66 |
| West street, from Battery place to Gansevoort street..... | 7,359 80    |
| Horse-hire.....   | 78 00       |
| Pay-rolls.....  | 256 00      |
| Total.....  | \$21,661 46 |

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

|  |             |
|--|-------------|
| Broadway and Union Square, West, Bowling Green and Thirty-second street..... | \$53,879 00 |
|--|-------------|

## Repaving Streets and Avenues, 1891—

|  |            |
|--|------------|
| Seventy-second street, from Fourth to Third avenue.....                      | \$763 24   |
| One Hundred and Twenty-fourth street, from Mount Morris to Lenox avenue..... | 4,210 25   |
| Total.....   | \$4,973 49 |

## Repaving Streets and Avenues, 1890—

|  |          |
|--|----------|
| Twenty-sixth street, from Tenth to Eleventh avenue.....              | \$110 68 |
| One Hundred and Twenty-fourth street, from Park to Fifth avenue..... | 324 96   |
| Mangin street, from Grand to Houston street.....                     | 311 92   |
| Total.....   | \$747 56 |

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

|                |          |
|----------------|----------|
| Pay-rolls..... | \$200 00 |
|----------------|----------|

## Roads, Streets and Avenues, Unpaved, Maintenance of, and Sprinkling, 1892—

|                |            |
|----------------|------------|
| Pay-rolls..... | \$1,872 62 |
|----------------|------------|

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

|                  |            |
|------------------|------------|
| Horse-hire.....  | \$90 00    |
| Pay-rolls.....   | 790 87     |
| Rent of lot..... | 666 67     |
| Total.....       | \$1,547 54 |

## Sewers—Repairing and Cleaning, 1892—

|                            |             |
|----------------------------|-------------|
| Cement.....                | \$57 50     |
| Cleaning sewers.....       | 940 41      |
| Horse-hire.....            | 360 00      |
| Pay-rolls.....             | 21,405 00   |
| Relaying pavement.....     | 11 55       |
| Repairing thermometer..... | 6 50        |
| Sand.....                  | 37 50       |
| Traveling expenses.....    | 211 95      |
| Total.....                 | \$23,030 41 |

## Sewers—Repairing and Cleaning, 1891—

|                                      |            |
|--------------------------------------|------------|
| Cleaning sewer.....                  | \$368 74   |
| Brick, cement, etc.....              | 1,400 88   |
| Hardware supplies.....               | 75 72      |
| Horse-hire.....                      | 180 00     |
| Hood traps.....                      | 125 00     |
| Level rod.....                       | 14 00      |
| Manhole covers.....                  | 64 42      |
| Pay-rolls.....                       | 1,207 25   |
| Repairing sewer.....                 | 3,533 10   |
| Repairing surveying instruments..... | 44 75      |
| Repairing tools.....                 | 39 65      |
| Rubber goods.....                    | 191 20     |
| Sewer-pipe.....                      | 75 00      |
| Traveling expenses.....              | 284 55     |
| Total.....                           | \$7,604 26 |



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

|   |          |
|---|----------|
| Pay-rolls .....   | \$555 00 |
| Street Improvements—For Surveying, Monumenting, etc., 1891. |          |
| Correcting Insurance Maps .....                             | 60 00    |
| Pay-rolls .....   | 30 00    |
| Total .....   | \$90 00  |

## Supplies for and Cleaning Public Offices, 1892—

|   |             |
|---|-------------|
| Armory, Eighth Regiment .....           | \$9 00      |
| “ Ninth Regiment .....                  | 9 00        |
| “ Sixty-ninth Regiment .....            | 9 00        |
| “ Seventy-first Regiment .....          | 9 00        |
| “ Second Battery .....                  | 9 00        |
| Bureau of Repairs and Supplies .....    | 255 94      |
| Brown-stone Building .....              | 104 50      |
| City Hall .....                         | 81 50       |
| Court, First District Civil .....       | 47 50       |
| “ Second .....                          | 9 00        |
| “ Third .....                           | 30 50       |
| “ Fifth .....                           | 9 00        |
| “ Seventh .....                         | 89 70       |
| “ Eighth .....                          | 9 00        |
| “ Tenth .....                           | 9 00        |
| “ Second District Police .....          | 38 35       |
| “ Sixth .....                           | 180 00      |
| “ Ninth .....                           | 52 50       |
| “ City .....                            | 29 00       |
| “ Supreme .....                         | 94 75       |
| Court-house, County .....               | 76 75       |
| Market, Essex .....                     | 2 00        |
| Office, Board of Aldermen .....         | 57 21       |
| “ City Record .....                     | 27 50       |
| “ City Chamberlain .....                | 3 00        |
| “ Commissioner of Street Cleaning ..... | 29 50       |
| “ Commissioner of Accounts .....        | 72 50       |
| “ County Clerk .....                    | 29 50       |
| “ Corporation Attorney .....            | 23 25       |
| “ Counsel to the Corporation .....      | 14 00       |
| “ District Attorney .....               | 37 00       |
| “ Department of Finance .....           | 376 50      |
| “ Department of Public Works .....      | 142 50      |
| “ Mayor .....                           | 31 50       |
| “ Register .....                        | 164 76      |
| “ Sheriff .....                         | 87 00       |
| “ Surrogate .....                       | 16 00       |
| “ Taxes and Assessments .....           | 14 00       |
| Tombs .....                             | 5 50        |
| Pay-rolls .....                         | 20,936 53   |
| Total .....                             | \$23,261 74 |

## Supplies for and Cleaning Public Offices, 1891—

|   |             |
|---|-------------|
| Armory, Eighth Regiment .....   | \$16 50     |
| “ Twelfth Regiment .....  | 15 50       |
| “ Twenty-second Regiment .....  | 16 50       |
| “ Sixty-ninth Regiment .....  | 91 25       |
| “ Seventy-first Regiment .....  | 150 10      |
| “ First Battery .....   | 59 00       |
| “ Second Battery .....  | 44 24       |
| “ Troop “A” .....   | 255 40      |
| Bureau of Repairs and Supplies .....  | 17,558 22   |
| Brown-stone Building .....  | 265 25      |
| City Hall .....   | 816 12      |
| Court, Third District Civil .....   | 56 00       |
| “ Fourth .....  | 400 00      |
| “ Fifth .....   | 1 50        |
| “ Seventh .....   | 5 69        |
| “ Eighth .....  | 33 88       |
| “ Second District Police .....  | 9 75        |
| “ Third .....   | 164 67      |
| “ Fourth .....  | 230 00      |
| “ City .....  | 220 00      |
| “ Common Pleas .....  | 178 00      |
| “ General Sessions .....  | 270 18      |
| “ Supreme .....   | 204 50      |
| “ Superior .....  | 55 00       |
| Court-house, County .....   | 77 92       |
| Office, Board of Police Justices .....  | 97 25       |
| “ Board of Street Openings .....  | 170 00      |
| “ Commissioner of Street Cleaning .....   | 22 50       |
| “ Commissioner of Jurors .....  | 34 50       |
| “ Commissioner of Accounts .....  | 193 00      |
| “ Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards ..... | 2 75        |
| “ Corporation Attorney .....  | 49 37       |
| “ Counsel to the Corporation .....  | 11 00       |
| “ City Chamberlain .....  | 30 00       |
| “ Mayor .....   | 12 80       |
| “ Register .....  | 15 33       |
| “ Surrogate .....   | 7 00        |
| “ Taxes and Assessments .....   | 377 65      |
| “ Department of Finance .....   | 270 60      |
| “ Department of Public Works .....  | 270 83      |
| Pay-rolls .....   | 631 00      |
| Total .....   | \$23,391 75 |

## Water Supply for the Twenty-fourth Ward, 1892—

|                       |          |
|-----------------------|----------|
| Supply of Water ..... | \$490 86 |
|-----------------------|----------|

## Water Supply for the Twenty-fourth Ward, 1891—

|                       |          |
|-----------------------|----------|
| Supply of water ..... | \$301 28 |
|-----------------------|----------|

## Wells and Pumps—Repairing and Cleaning, 1891—

|  |         |
|--|---------|
| Repairing pumps and cleaning out wells ..... | \$87 70 |
|--|---------|

## RECAPITULATION OF APPROPRIATIONS.

|  |             |
|--|-------------|
| Aqueduct—Repairs, Maintenance and Strengthening, 1892 .....                      | \$39,217 90 |
| Aqueduct—Repairs, Maintenance and Strengthening, 1891 .....                      | 12,069 92   |
| Aqueduct—Repairs, Maintenance and Strengthening, 1890 .....                      | 9,114 53    |
| Aqueduct—Repairs, Maintenance and Strengthening—Salaries, 1892 .....             | 6,761 49    |
| Aqueduct—Repairs, Maintenance and Strengthening—Salaries, 1891 .....             | 20 00       |
| Boring Examinations for Grading and Sewer Contracts, 1892 .....                  | 745 00      |
| Boulevards, Roads and Avenues, Maintenance of, 1892 .....                        | 12,013 19   |
| Boulevards, Roads and Avenues, Maintenance of, 1891 .....                        | 129 10      |
| Boulevards, Roads and Avenues, Maintenance of—Salaries, 1892 .....               | 624 99      |
| Bronx River Works—Maintenance and Repairs, 1892 .....                            | 5,179 34    |
| Bronx River Works—Maintenance and Repairs, 1891 .....                            | 774 41      |
| Bronx River Works—Maintenance and Repairs—Salaries, 1892 .....                   | 441 38      |
| Contingencies—Department of Public Works, 1892 .....                             | 695 53      |
| Contingencies—Department of Public Works, 1891 .....                             | 771 67      |
| Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1892 ..... | 7 00        |
| Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1891 ..... | 4,187 84    |
| For New Fire-hydrants, 1892 .....  | 662 80      |

|  |              |
|--|--------------|
| For New Fire-hydrants, 1891 .....  | \$7,053 65   |
| Free Floating Baths—Care and Maintenance, 1892 .....   | 1,828 62     |
| Free Floating Baths—Care and Maintenance, 1891 .....   | 868 31       |
| Free Floating Baths—Care and Maintenance—Salaries, 1892 .....                                    | 2,174 00     |
| Free Floating Baths—Care and Maintenance—Salaries, 1891 .....                                    | 132 50       |
| Lamps and Gas and Electric Lighting, 1892 .....  | 127,405 26   |
| Lamps and Gas and Electric Lighting, 1891 .....  | 59,581 14    |
| Lamps and Gas and Electric Lighting—Salaries, 1892 .....   | 1,624 95     |
| Laying Croton-pipes, 1892 .....  | 6,069 17     |
| Laying Croton-pipes, 1891 .....  | 14,711 25    |
| Laying Croton-pipes—Salaries, 1892 .....   | 4,090 99     |
| Laying Croton-pipes—Salaries, 1891 .....   | 112 00       |
| Public Buildings—Construction and Repairs, 1892 .....  | 11,046 08    |
| Public Buildings—Construction and Repairs, 1891 .....  | 7,239 12     |
| Public Drinking-hydrants, 1892 .....   | 18 65        |
| Public Drinking-hydrants, 1891 .....   | 28 20        |
| Public Drinking-hydrants—Salaries, 1892 .....  | 300 00       |
| Removing Obstructions in Streets and Avenues, 1892 .....   | 8,926 95     |
| Removing Obstructions in Streets and Avenues, 1891 .....   | 3,119 00     |
| Removing Obstructions in Streets and Avenues—Salaries, 1892 .....                                | 2,025 00     |
| Repairing and Renewal of Pipes, Stop cocks, etc., 1892 .....                                     | 36,068 40    |
| Repairing and Renewal of Pipes, Stop cocks, etc., 1891 .....                                     | 1,609 29     |
| Repairs and Renewal of Pavements and Regrading, 1892 .....                                       | 14,345 97    |
| Repairs and Renewal of Pavements and Regrading, 1891 .....                                       | 11,502 04    |
| Repairs and Renewal of Pavements and Regrading, 1890 .....                                       | 661 68       |
| Repairs and Renewal of Pavements and Regrading—Salaries, 1892 .....                              | 3,599 00     |
| Repairs and Renewal of Pavements and Regrading—Salaries, 1891 .....                              | 128 00       |
| Repaving—(Chapter 346, Laws of 1889), 1891 .....   | 21,661 46    |
| Repaving—(Chapter 346, Laws of 1889), 1890 .....   | 53,870 00    |
| Repaving Streets and Avenues, 1891 .....   | 4,973 49     |
| Repaving Streets and Avenues, 1890 .....   | 747 56       |
| Repaving Streets and Avenues—Salaries, 1892 .....  | 1,287 50     |
| Repaving Streets and Avenues—Salaries, 1891 .....  | 70 00        |
| Retaining-walls in East Fifty-first Street and East Forty-second Street, 1890 .....              | 200 00       |
| Roads, Streets and Avenues Unpaved, 1892 .....   | 1,872 62     |
| Roads, Streets and Avenues Unpaved, 1891 .....   | 1,547 54     |
| Salaries—Department of Public Works, 1892 .....  | 23,250 68    |
| Salaries of Engineer, Clerks, Inspectors and Measurers, 1892 .....                               | 14,027 99    |
| Salaries of Engineer, Clerks, Inspectors and Measurers, 1891 .....                               | 401 50       |
| Salaries of Engineers, Inspectors, etc., on Repaving, Laws of 1889, Under Chapter 346—1892 ..... | 5,731 95     |
| Sewers—Repairing and Cleaning, 1892 .....  | 23,030 41    |
| Sewers—Repairing and Cleaning, 1891 .....  | 7,604 26     |
| Sewers—Repairing and Cleaning—Salaries, 1892 .....   | 2,409 98     |
| Sewers—Repairing and Cleaning—Salaries, 1891 .....   | 80 00        |
| Sewerage System—Salaries, 1892 .....   | 2,100 00     |
| Street Improvements for Surveying, Monumenting, etc., 1892 .....                                 | 555 00       |
| Street Improvements for Surveying, Monumenting, etc., 1891 .....                                 | 00 00        |
| Supplies for and Cleaning Public Offices, 1892 .....   | 23,261 74    |
| Supplies for and Cleaning Public Offices, 1891 .....   | 23,391 75    |
| Supplying Water to Shipping and for Building Purposes, 1892 .....                                | 4,779 87     |
| Supplying Water to Shipping and for Building Purposes, 1891 .....                                | 1,987 00     |
| Surveys, Maps, etc., for Street Openings—Salaries, 1892 .....                                    | 86 00        |
| Water Supply for the Twenty-fourth Ward, 1892 .....  | 1,774 98     |
| Water Supply for the Twenty-fourth Ward, 1891 .....  | 490 86       |
| Water Supply for the Twenty-fourth Ward—Salaries, 1892 .....                                     | 301 28       |
| Wells and Pumps—Repairing and Cleaning, 1891 .....   | 300 00       |
| Total .....  | \$641,727 43 |

## TRUST ACCOUNTS.

|  |             |
|--|-------------|
| Croton Water Fund—                     |             |
| Clerical services .....                | \$375 00    |
| Disbursements, Bronx River Works ..... | 1,126 67    |
| Drawing materials .....                | 64 61       |
| Horse-hire .....                       | 768 00      |
| Pay-rolls .....                        | 14,719 29   |
| Professional services .....            | 2,829 85    |
| Printing .....                         | 48 00       |
| Reservoir, near Amawalk .....          | 9,740 70    |
| Repairing instruments .....            | 88 00       |
| Sundry supplies .....                  | 72 55       |
| Traveling expenses .....               | 1,208 35    |
| Total .....                            | \$31,041 02 |

## Criminal Court-house Fund—

|  |              |
|--|--------------|
| Architect's fees .....                   | \$2,730 99   |
| Carpenter work .....                     | 4,617 00     |
| Heating and ventilation .....            | 12,900 00    |
| Iron work .....                          | 36,108 00    |
| Mason work .....                         | 107,550 00   |
| Plumbing, gas-fitting and drainage ..... | 1,020 00     |
| Pay-rolls .....                          | 1,425 00     |
| Total .....                              | \$166,350 99 |

## Fund for Viaduct from St. Nicholas place, etc.—

|                             |              |
|-----------------------------|--------------|
| Coal .....                  | \$31 12      |
| Pay-rolls .....             | 2,484 25     |
| Professional services ..... | 4,158 61     |
| Work on contract .....      | 103,965 20   |
| Total .....                 | \$110,639 18 |

## Public Buildings, Twelfth Ward, Construction of—

|                        |             |
|------------------------|-------------|
| Architects' fees ..... | \$2,083 32  |
| Pay-rolls .....        | 526 50      |
| Work on contract ..... | 15,210 00   |
| Total .....            | \$17,819 82 |

## Restoring and Repaving—Special Fund—

|                                   |            |
|-----------------------------------|------------|
| Breaking stone for concrete ..... | \$135 00   |
| Pay-rolls .....                   | 2,910 24   |
| Repairing asphalt pavement .....  | 234 14     |
| Restoring pavement .....          | 3,975 00   |
| Sand .....                        | 145 79     |
| Wood .....                        | 153 00     |
| Total .....                       | \$7,553 17 |

## Street Improvement Fund—

|                                 |              |
|---------------------------------|--------------|
| Curbing and flagging .....      | \$7,589 98   |
| Fencing .....                   | 45 55        |
| Paving and crosswalks .....     | 83,650 22    |
| Pay-rolls .....                 | 19,987 68    |
| Regulating, grading, etc. ..... | 26,734 17    |
| Sewers .....                    | 48,034 12    |
| Surveying .....                 | 2,345 06     |
| Total .....                     | \$188,386 78 |

## Water-meter Fund, No. 2—

|                      |            |
|----------------------|------------|
| Setting meters ..... | \$2,437 76 |
| Water meters .....   | 3,170 00   |
| Total .....          | \$5,607 76 |



## Recapitulation of Funds—

|  |                     |
|--|---------------------|
| Croton Water Fund.....                               | \$31,041 02         |
| Criminal Court-house Fund.....                       | 166,350 99          |
| Fund for Viaduct from St. Nicholas place, etc.....   | 110,639 18          |
| Public Buildings, Twelfth Ward, Construction of..... | 17,819 82           |
| Restoring and Repaving—Special Fund.....             | 7,553 17            |
| Street Improvement Fund.....                         | 188,386 78          |
| Water-meter Fund, No. 2.....                         | 5,607 76            |
| <b>Total.....</b>                                    | <b>\$527,398 72</b> |

## Document "C."

## STATEMENT OF CONTRACTS.

Contracts Entered Into for the Three Months ending March 31, 1892.

| NATURE AND LOCATION OF WORK.   | CONTRACTOR.                                       | ESTIMATED COST. |
|--|---|-----------------|
| <i>Sewer Contracts.</i>  |   |                 |
| Sewer in Park avenue, east side, between Ninety-fifth and Ninety-sixth streets, etc.....   | John Slattery.....                                | \$3,706 00      |
| Alteration and repairs to sewers in Second avenue, between Seventy-first and Seventy-second streets, and in Seventy-first street, between Second and Third avenues.....  | Joseph Moore.....                                 | 6,066 00        |
| Sewer in Thirty-third street, between Lexington and Fourth avenues.....  | John Slattery.....                                | 2,485 00        |
| Sewer in South street, between Broad and Wall streets, etc.....  | Patrick Casey.....                                | 27,450 50       |
| Sewer in One Hundred and Twenty-first street, between Harlem river and Pleasant avenue.....  | John Madden.....                                  | 1,775 00        |
| Sewer in One Hundred and Sixteenth street, between Harlem river and Pleasant avenue.....   | Walter J. Ford.....                               | 2,457 50        |
| Sewer in Avenue B, west side, between Eighty-eighth and Eighty-ninth streets, and in Eighty-eighth street, between Avenue B and Summit west.....   | Hugh Shaughnessy.....                             | 3,741 95        |
| Sewer in One Hundred and Fifteenth street, between Harlem river and Pleasant avenue.....   | Patrick Hardiman.....                             | 1,416 50        |
| Sewer in One Hundred and Forty-eighth street, between Boulevard and Amsterdam avenues, and in Amsterdam avenue, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets.....  | William P. Baird.....                             | 6,558 50        |
| Sewers in Park avenue, west side, between Ninety-fifth and Ninety-ninth streets, and in Ninety-eighth and Ninety-ninth streets, between Park and Madison avenues.....  | Francesco Padulo.....                             | 13,373 00       |
|  |   | \$69,035 95     |
| <i>Regulating, Grading, Curbing and Flagging Contracts.</i>  |   |                 |
| Regulating, grading, etc., One Hundred and Sixty-second street, between Eleventh avenue and Kingsbridge road.....  | James Leeson.....                                 | \$11,413 40     |
| Regulating, grading, etc., McComb's Dam road, from One Hundred and Forty-ninth to One Hundred and Fifty-fifth street.....  | Thomas J. Reilly.....                             | 26,571 80       |
| Regulating, grading, etc., One Hundred and Sixty-ninth street, from Amsterdam to Eleventh avenue.....  | William G. Leeson.....                            | 4,033 00        |
| Regulating, grading, etc., One Hundred and First street, from First avenue to East river.....  | John J. Hopper.....                               | 1,781 70        |
| Flagging, etc., Thirty-fourth street, between Tenth avenue and Hudson river.....   | Thomas J. Dunn.....                               | 5,951 56        |
| Flagging, etc., northwest corner of Mount Morris avenue and One Hundred and Twentieth street.....  | ".....  | 458 82          |
| Flagging, etc., One Hundred and Thirty-second street, from Lenox to Seventh avenue.....  | ".....  | 503 92          |
| Flagging, etc., Sixty-fourth street, from Central Park, West, to Boulevard, and in Boulevard, east side, between Sixty-third and Sixty-fifth streets.....  | Thomas Callanan.....                              | 1,229 57        |
| Flagging, etc., Madison avenue, from One Hundred and Sixteenth to One Hundred and Twentieth street.....  | Thomas J. Dunn.....                               | 2,343 00        |
| Flagging, etc., One Hundred and Thirty-third street, north side, from Lenox to Seventh avenue.....   | ".....  | 725 00          |
| Flagging, etc., Seventy-eighth street, north side, from Second to Third avenue.....  | ".....  | 810 75          |
| Flagging, etc., Madison avenue, east side, from Ninety-third to One Hundredth street.....  | ".....  | 1,582 25        |
| Flagging, etc., block bounded by Manhattan and St. Nicholas avenues, One Hundred and Twenty-second and One Hundred and Twenty-third streets.....   | A. E. Moran.....                                  | 944 80          |
| Flagging, etc., Fifth avenue, from One Hundred and Fourteenth to One Hundred and Fifteenth street, and One Hundred and Fourteenth street, from Fifth to Madison avenue.....  | ".....  | 928 90          |
| Flagging, etc., One Hundred and Twenty-ninth street, from Third to Lexington avenue.....   | Andrew Low.....                                   | 860 20          |
|  |   | \$60,163 67     |
| <i>Fencing Contracts.</i>  |   |                 |
| Fencing vacant lots, Park avenue, east side, between Ninety-sixth and Ninety-seventh streets.....  | Patrick Hardiman.....                             | \$48 50         |
| Fencing vacant lots, Park avenue, east side, between Ninety-fifth and Ninety-sixth streets.....  | ".....  | 97 45           |
| Fencing vacant lots, Park avenue, east side, between One Hundred and First and One Hundred and Second streets.....   | ".....  | 15 20           |
| Fencing vacant lots, Ninety-seventh street, between Lexington and Park avenues.....  | ".....  | 236 85          |
| Fencing vacant lots, Ninety-fifth and Ninety-sixth streets, between Lexington and Park avenues.....  | ".....  | 156 75          |
| Fencing vacant lots, Nos. 103 to 140 West One Hundred and Third street.....  | ".....  | 40 85           |
|  |   | \$595 50        |
| <i>Street Lighting and Gas to Public Offices, Contracts.</i>   |   |                 |
| Lighting streets, etc., with gas.....  | Consolidated Gas Company..                        | \$276,000 00    |
| Lighting streets, etc., with gas.....  | Standard Gas-light Company..                      | 36,000 00       |
| Lighting streets, etc., with gas.....  | Equitable Gas-light Company..                     | 53,000 00       |
| Lighting streets, etc., with gas.....  | New York Mutual Gas-light Company.....            | 3,500 00        |
| Lighting streets, etc., with gas.....  | Central Gas-light Company....                     | 58,000 00       |
| Lighting streets, etc., with gas.....  | Northern Gas-light Company..                      | 75,000 00       |
| Lighting streets, etc., with gas.....  | Yonkers Gas-light Company..                       | 17,500 00       |
| Lighting streets, etc., with gas.....  | New York and New Jersey Globe-light Company.....  | 3,100 00        |
| Lighting streets, etc., with electric-lights.....  | Brush Electric Illuminating Company.....          | 40,000 00       |
| Lighting streets, etc., with electric-lights.....  | United States Illuminating Company.....           | 44,860 00       |
| Lighting streets, etc., with electric-lights.....  | Harlem Lighting Company....                       | 28,250 00       |
| Lighting streets, etc., with electric-lights.....  | East River Electric-light Company.....            | 35,000 00       |
| Lighting streets, etc., with electric-lights.....  | North River Electric-light and Power Company..... | 38,000 00       |
| Lighting streets, etc., with electric-lights.....  | Mount Morris Electric-light Company.....          | 22,500 00       |
| Gas to public offices.....   | Consolidated Gas Company..                        | 32,500 00       |
| Gas to public offices.....   | Equitable Gas-light Company..                     | 16,200 00       |
|  |   | \$779,410 00    |
| <i>Laying Water-main Contracts.</i>  |   |                 |
| Furnishing and laying water-mains in Manhattan and One Hundred and Tenth streets and in St. Nicholas and Fifth avenues.....  | John Cornwell, Jr.....                            | \$82,979 50     |
| Laying water-mains in Fourth, Madison, Bathgate, Twelfth, Thirteenth, Kirkside, Hull, Jerome, Locust, Walnut, Beekman, Bamberge and Cresent avenues; in Twenty-seventh, Twenty-eighth, Twenty-ninth, Eighty-eighth, One Hundred and Seventeenth, One Hundred and Forty-first, One Hundred and Sixtieth, Union and Woodruff streets, and in Clark place, German place, Beach Terrace and Oak Terrace..... | ".....  | 11,735 20       |
|  |   | \$94,714 70     |
| <i>Miscellaneous Contracts.</i>  |   |                 |
| Moving Dog Pound from present location about 50 feet west.....   | G. Goodwin's Sons.....                            | \$1,050 00      |
| Furnishing cast-iron water-pipes, branch pipes and special castings.....   | Warren Foundry and Machine Company.....           | 48,184 00       |
| Furnishing stop-cocks, hydrants, wooden hydrant boxes and cast-iron stop-cock boxes.....   | Kennedy Valve Manufacturing Company.....          | 8,075 00        |
| Furnishing tapping-cocks and tapping-cock boxes.....   | John Fox.....                                     | 2,305 00        |
| Furnishing 5,600 tons of egg size Wilkesbarre coal.....  | William D. Bruns.....                             | 25,720 00       |
| Furnishing 3,490 tons of white ash Wilkesbarre coal and 10 tons lace Hall canal coal.....  | ".....  | 18,012 50       |
| Furnishing ice to Department of Public Works, etc., for 1892.....  | Ransom Parker, Jr.....                            | 2,580 00        |

| NATURE AND LOCATION OF WORK.  | CONTRACTOR.                              | ESTIMATED COST. |
|---|--|-----------------|
| Repairing pontoons and painting, etc., Free Floating Baths (carpenter work).....            | John Kenavan.....                        | \$2,150 00      |
| Repairing pontoons and painting, etc., Free Floating Baths (tinsmith and painter work)..... | M. Theriault.....                        | 1,970 00        |
| Furnishing manhole heads and covers, extra covers, basin covers, etc.....                   | M. J. Drummond.....                      | 1,983 75        |
| Furnishing 2,500 street-lamps.....  | E. P. Gleason Manufacturing Company..... | 5,475 00        |
| Furnishing 10,000 glass street signs.....   | Cavanagh & Thompson.....                 | 1,774 00        |
| Furnishing 400 Boulevard lamps and 1,500 additional globes.....                             | Bartlett Lamp Manufacturing Company..... | 4,600 00        |
| Furnishing 1,000 cast-iron lamp-posts.....  | M. J. Drummond.....                      | 6,265 00        |
|   |  | \$31,204 25     |

## RECAPITULATION.

|   |                       |
|---|-----------------------|
| 10 Sewer Contracts.....                                     | \$69,035 95           |
| 15 Regulating, Grading, Curbing and Flagging Contracts..... | 60,163 67             |
| 6 Fencing Contracts.....                                    | 595 50                |
| 16 Electric-light and Gas Contracts.....                    | 779,410 00            |
| 2 Laying Water-main Contracts.....                          | 94,714 70             |
| 14 Miscellaneous Contracts.....                             | 131,204 25            |
| <b>63 Contracts.....</b>                                    | <b>\$1,135,124 17</b> |

## Contracts Completed.

| NATURE OF WORK.  | LOCATION OF WORK.  | AMOUNT.     |
|--|--|-------------|
| <i>Sewer and Receiving-basin Contracts.</i>  |  |             |
| Sewer.....   | In Avenue St. Nicholas, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets, One Hundred and Forty-ninth street, between St. Nicholas and Amsterdam avenues, and in Amsterdam avenue, between One Hundred and Forty-ninth and One Hundred and Fiftieth streets..... | \$5,868 05  |
| "  | In Sixty-fifth street, between New York Central and Hudson River Railroad and West End avenue.....   | 2,564 50    |
| "  | Repairs in Second street, between Houston street and Avenue C.....   | 3,715 60    |
| "  | Extension in Fifty-sixth street, between Hudson river and Eleventh avenue.....   | 7,539 46    |
| "  | In One Hundred and Twenty-fifth street, between present sewer and Harlem river.....  | 2,530 00    |
| "  | In Park avenue, east side, between One Hundred and Fifteenth and One Hundred and Sixteenth streets.....  | 747 13      |
| "  | In One Hundred and Sixteenth street, between Morningside and Amsterdam avenues.....  | 11,714 50   |
| "  | In Amsterdam avenue, between One Hundred and Thirty-third street and 50 feet south of One Hundred and Thirty-sixth street.....   | 15,610 30   |
| "  | In Lexington avenue, between Seventy-first and Seventy-second streets.....   | 2,056 66    |
| Receiving basin.....   | No. thwest corner of Fourteenth street and Avenue C (alteration and improvement).....  | 200 00      |
| "  | Northeast corner of Fourteenth street and Avenue C alteration and improvement.....   | 192 00      |
|  |  | \$53,738 20 |
| <i>Regulating, Grading, Curbing and Flagging Contracts.</i>                                  |  |             |
| Regulating, grading, etc.....  | One Hundred and Nineteenth street, between Morningside and Amsterdam avenues.....  | \$5,662 40  |
| Flagging, etc.....   | Delancey street, between Mangin and East streets.....  | 2,802 24    |
| "  | Nineteenth street, between Avenue A and First avenue.....  | 1,192 07    |
| "  | In front of No. 419 Pearl street.....  | 43 61       |
| "  | Tenth avenue, east side, between Twenty-ninth and Thirtieth streets, and Thirtieth street, south side, between Ninth and Tenth avenues.....  | 2,036 68    |
| "  | In front of Nos. 4 and 6 Christopher street.....   | 141 81      |
| "  | Around Clinton Market.....   | 2,622 86    |
| "  | Columbus avenue, east side, between Ninety-third and Ninety-fourth streets.....  | 117 31      |
| "  | Eighty-ninth street, between Second and Third avenues.....   | 134 85      |
| "  | Twenty-sixth street, north side, and Twenty-seventh street, south side, between Third and Lexington avenues.....   | 68 46       |
| "  | Hester street, north side, between Suffolk and Clinton streets.....  | 420 38      |
| "  | Northeast corner of Fifth avenue and Eighty-sixth street.....  | 295 78      |
| "  | Around Rivington Street Corporation Yard.....  | 1,578 98    |
|  |  | \$17,122 43 |
| <i>Paving Contracts—Assessment Work.</i>   |  |             |
| Paving.....  | Washington street, between Bank and Gansevoort streets....   | \$12,513 00 |
| "  | One Hundred and Third street, between Boulevard and Riverside Drive.....   | 5,611 60    |
| "  | One Hundred and Third street, between Central Park, West, and Columbus avenue.....   | 6,376 80    |
| "  | Nineteenth street, between Avenue A and First avenue.....  | 6,583 05    |
| "  | One Hundred and Fourteenth street, between Fifth and Lenox avenues.....  | 9,485 84    |
| "  | Twentieth street, between Avenue A and East river.....   | 10,778 18   |
| "  | Fifty-fifth street, between Avenue A and East river.....   | 1,090 42    |
| "  | Fifty-ninth street, between east side of Twelfth avenue and Hudson river.....  | 957 03      |
| Crosswalk.....   | Across One Hundred and Forty-fifth street, at east and west sides of Avenue St. Nicholas.....  | 364 38      |
| "  | Across One Hundred and Fifty-fifth street, at west side of Avenue St. Nicholas.....  | 186 60      |
|  |  | \$53,946 90 |
| <i>Repaving Contracts.</i>   |  |             |
| Paving.....  | Grand street, between Broadway and Goerck street.....  | \$51,730 05 |
| "  | One Hundred and Twenty-fourth street, between Mount Morris and Lenox avenues.....  | 4,493 55    |
|  |  | \$56,223 60 |
| <i>Miscellaneous Contracts.</i>  |  |             |
| Furnishing and delivering ice to the Department of Public Works, etc.....                    |  | \$2,660 13  |
| Furnishing and delivering 20,000 cubic yards of sand.....                                    |  | 9,148 78    |
| Furnishing and delivering cast-iron water-pipes, branch pipes and special castings.....      |  | 17,667 02   |
| Furnishing and delivering janitors' supplies.....  |  | 1,941 60    |
| Furnishing and delivering cast-iron water-pipes, branch pipes and special castings.....      |  | 5,491 45    |
| Furnishing and delivering coal to Department of Public Works, etc.....                       |  | 19,473 81   |
| Moving Dog Pound from at foot of East One Hundred and Second street, about 50 feet west..... |  | 1,050 00    |
| Repairs to buildings Nos. 8, 10, 12 and 14 Chambers street.....                              |  | 2,194 00    |
|  |  | \$59,626 79 |

## RECAPITULATION.

|   |                     |
|---|---------------------|
| 11 Sewer and Receiving-basin Contracts.....                 | \$53,738 20         |
| 13 Regulating, Grading, Curbing and Flagging Contracts..... | 17,122 43           |
| 10 Paving Contracts.....                                    | 53,946 90           |
| 2 Repaving Contracts.....                                   | 56,223 60           |
| 8 Miscellaneous Contracts.....                              | 59,626 79           |
| <b>44 Contracts.....</b>                                    | <b>\$240,657 92</b> |

## 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, April 6, 1892.

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

SIR—I herewith submit report for the quarter ending March 31, 1892:

## EXPENDITURES FOR THE QUARTER ENDING MARCH 31, 1892.

|  |             |
|--|-------------|
| Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs..... | \$54,125 39 |
| Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....                      | 6,781 49    |
| Aqueduct—Repairs, Maintenance and Strengthening—1890, Excavating, etc.....         | 6,759 00    |



|   |                     |
|---|---------------------|
| Aqueduct—Repairs, Maintenance and Strengthening—1890, Building New Gate-houses..... | \$2,355 00          |
| Boulevards, Roads, etc.....   | 550 00              |
| Bronx River Works—Maintenance and Repairs.....                                      | 5,959 75            |
| Bronx River Works—Salaries.....   | 441 38              |
| Croton Water Fund.....  | 31,040 52           |
| Fund for Viaduct.....   | 110,639 18          |
| For New Fire Hydrants.....  | 7,716 45            |
| Laying Croton Pipes.....  | 20,941 42           |
| Laying Croton Pipes—Salaries.....   | 4,041 99            |
| Repairing and Renewal of Pipes, Stop-cocks, etc.....                                | 6,030 33            |
| Salaries—Engineers.....   | 3,686 48            |
| Water Meter Fund, No. 2.....  | 5,607 76            |
| Water Supply for Twenty-fourth Ward.....  | 792 14              |
| <b>Total.....</b>   | <b>\$267,569 01</b> |

## STORAGE RESERVOIRS.

The Croton river has furnished a full supply to the Aqueduct during the quarter. Boyd's Corners Reservoir was filled January 21, 1892. East Branch Reservoir was filled January 21, 1892. Middle Branch Reservoir is 30 inches below the lip of the overflow. Bog Brook Reservoir was so far completed that, on February 11, 1892, the Aqueduct Commission commenced to fill same, and on March 31 there was 27 feet of water in this reservoir—nearly two-thirds full. The lakes and ponds are filling slowly.

## Rain-fall—Inches.

|                               | JANUARY. | FEBRUARY. | MARCH. | TOTAL. |
|-------------------------------|----------|-----------|--------|--------|
| Boyd's Corners Reservoir..... | 5.95     | 1.22      | 3.90   | 11.07  |
| Middle Branch Reservoir.....  | 6.43     | 1.07      | 3.71   | 11.21  |
| Kensico Reservoir.....        | 4.83     | 0.89      | 1.94   | 7.70   |
| Croton Dam.....               | 5.96     | 1.18      | 2.92   | 10.16  |
| Central Park Reservoir.....   | 4.87     | 1.16      | 3.08   | 9.11   |

The Commission appointed to appraise the lands required for Reservoir A have had regular meetings, and will report to the Court in May. The contractor at Reservoir A has been employed in quarrying and cutting stone, building fences, walls and placing embankment when the weather would permit. Surveys for lands necessary for Reservoir D on the West Branch of the Croton river have been continued.

## BRONX RIVER SUPPLY.

A Commission has been appointed to appraise damages on the Bronx river, between Williams-bridge and West Farms, by the division of waters of same at Kensico to the City of New York. The contractor for tunnel, etc., to convey the waters of the Byram river into the Kensico Reservoir has been notified to commence work. Two gangs of men have been employed keeping roads, conduits and reservoirs in good order. 9,000,000 gallons per day have been uninterruptedly furnished to the city. Kensico Reservoir has filled 10 feet during the quarter. Rye Pond Reservoir has filled 5 feet during the quarter.

## NEW AQUEDUCT.

A continuous supply of water has been received through the New Aqueduct during the quarter of 135 million gallons per day, and all under our control is in good order.

## AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

## Work Done during the Quarter ending March 31, 1892.

| DIVISIONS.        | EARTH EXCAVATION. | STONE QUARRIED. | FENCE BUILT. | FENCE REPAIRED. | DRY STONE MASONRY. | FENCE PAINTED. | FILLING AND GRADING. | SODDING.      | FENCE GATES BUILT. |
|-------------------|-------------------|-----------------|--------------|-----------------|--------------------|----------------|----------------------|---------------|--------------------|
|                   | Cubic Yards.      | Cubic Yards.    | Lineal Feet. | Lineal Feet.    | Cubic Yards.       | Square Feet.   | Cubic Yards.         | Square Yards. |                    |
| First.....        | .....             | .....           | .....        | .....           | 472                | .....          | .....                | .....         | .....              |
| Second.....       | .....             | .....           | 70           | .....           | 67                 | 700            | .....                | .....         | .....              |
| Third.....        | 47                | 75              | .....        | .....           | 143                | .....          | .....                | .....         | .....              |
| Fourth.....       | .....             | .....           | 515          | 900             | 75                 | .....          | .....                | .....         | .....              |
| Fifth.....        | .....             | .....           | 2,300        | 600             | .....              | .....          | 225                  | 33            | 4                  |
| Sixth.....        | .....             | .....           | 66           | 907             | 12                 | .....          | 167                  | .....         | 5                  |
| Seventh.....      | .....             | .....           | .....        | .....           | .....              | .....          | .....                | .....         | .....              |
| Eighth.....       | .....             | 5,770           | .....        | .....           | .....              | .....          | .....                | .....         | .....              |
| <b>Total.....</b> | <b>47</b>         | <b>5,845</b>    | <b>2,981</b> | <b>2,407</b>    | <b>769</b>         | <b>700</b>     | <b>392</b>           | <b>33</b>     | <b>9</b>           |

The regular work on the several divisions has been continued as usual, such as care of surface of Aqueduct, gate-houses, machinery, etc., patrolling reservoirs, cleaning up line of Aqueduct of leaves, rubbish, etc., keeping drains, culverts and crosswalks clean and in repair, removing ice and snow, building and repairing fences.

The more particular work on each division has been as follows:

First Division—The work on this division has been cleaning ice and snow out of ditches and culverts along line of Aqueduct; laying dry wall along highway west of Dam; cleaning Island above Pine Bridge; hauling cement, laying stone-wall in city lot below Dam on east side of river.

Second Division—The work on this division has been cleaning up line and keeping ditches, drains and culverts clean and free from ice and snow; building stone wall in school-house lot on west side of line, also on upper end of division on west side of line known as Moore's bank and a portion of stone wall on Potter's bank; building and painting fences.

Third Division—The work on this division has been building retaining-walls on Clark's bank and making all necessary excavations for same; quarrying stone; cleaning culverts, drains and gutters, and keeping them free from ice and snow; cleaning crosswalks, etc.

Fourth Division—Building stone wall near Elm street, Dobb's Ferry; building and repairing fences; putting up 800 feet of fence rails on Barney's bank; cleaning up line of Aqueduct culverts and crosswalks.

Fifth Division—Building and repairing fences, building fence gates, filling and grading on banks and crosswalks; sodding; cleaning drains, ditches and culverts, and cleaning crosswalks of ice and snow.

Sixth Division—Building dry wall near barn; filling and grading near Fordam landing road; building and repairing fences; making, painting and setting gates and gate-posts; spreading manure; cleaning and repairing drains, culverts and crosswalks.

Seventh Division—Hoisting coal for pumping engine; paths all around the engine house and on the coal dock have been kept clean and free from snow; the tower has been cleaned and fire kept in same all winter to prevent freezing of pipes; coal has been carried to the gate-houses for their use; the screws in each kept greased and good working order; all the walks and roadway, the stairs, steps and bridge, have been kept clean and in good order, the snow cleaned from same after each storm; the drains, culverts and walks on the line of Aqueduct and the fences on both sides of same have been repaired as often as required; the entire walk on top of the Aqueduct has been covered with screened ashes about six inches deep, making a fine walk; everything around the work is in good condition and looks well.

Eighth Division—Cleaning and repairing Central Park and Forty-second street reservoirs, gate-houses, chambers, etc.; cleaning and repairing High Service Works, Ninth and Tenth avenue gate-houses and grounds.

Spreading 300 loads of manure around reservoir and grounds at Ninety-second and Ninety-third streets, and One Hundred and Thirtieth street gate-houses. Painting floor, gearing, gates and iron work in chamber at One Hundred and Thirty-fifth street gate-houses. Repairing and

making new lagging around the pumps at High Service Works. Doing odd jobs of mason work, patrolling pipe-lines, from new gate-house on One Hundred and Thirty-fifth street to Central Park Reservoir.

The contractor for changing, etc., gate-houses, pipes, etc., at One Hundred and Thirty-fourth and One Hundred and Thirty-fifth streets gate-houses, has continued excavating during the quarter, and as soon as weather will permit to lay masonry will start on connecting the Old Aqueduct and the gate-house at One Hundred and Thirty-fifth street.

The contractor for excavating the Old Reservoir has carried on his work when the weather permitted.

A contract for coal has been entered into.

Two contracts for furnishing pipe have been completed.

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

## LAYING CROTON PIPES.

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

One Hundred and Sixty-first street, between Third and Railroad avenues.  
Seventy-second street, between Avenue A and East river.  
Seventy-fifth street, between West End avenue and Riverside Drive.  
Ninety-first street, between Ninth and Tenth avenues.  
One Hundred and First street, between Second avenue and East river.  
Bristow street, between Jennings street and Stebbins avenue.  
One Hundred and Thirty-eighth street, between Seventh and Eighth avenues.  
One Hundred and Thirty-ninth street, between Seventh and Eighth avenues.  
One Hundred and Forty-second street, between Boulevard and Twelfth avenue.  
Tinton avenue, between One Hundred and Sixty-first and One Hundred and Sixty-third streets.

| Size.             | AMOUNT OF PIPE LAID DURING THE QUARTER. | Lineal Feet. |
|-------------------|---|--------------|
| 12-inch.....      | .....                                   | 2,063        |
| 6 ".....          | .....                                   | 7,678        |
| <b>Total.....</b> | <b>.....</b>                            | <b>9,741</b> |

| Size.             | Stop-cocks Set. | Number.   |
|-------------------|-----------------|-----------|
| 12-inch.....      | .....           | 4         |
| 6 ".....          | .....           | 23        |
| <b>Total.....</b> | <b>.....</b>    | <b>27</b> |

| Pattern.                      | Hydrants Placed. | Number.   |
|-------------------------------|------------------|-----------|
| A hydrants.....               | .....            | 26        |
| Double nozzle A hydrants..... | .....            | 20        |
| <b>Total.....</b>             | <b>.....</b>     | <b>46</b> |

Two contracts for furnishing pipe have been completed.

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

## ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

The contractor has continued the taking down of the dry wall at the west end preparatory to rebuilding same, and has continued the erection of the superstructure, of which one half is now in place.

## REPAIRING AND RENEWAL OF PIPES, ETC.

A small gang has been examining sewers at night for waste and leaks during the quarter, and about ten per cent. of the houses are found to have water running from same between 1 and 5 A. M.

On examining the houses in the day time we find the ball-cocks on tanks in water-closets or on roof are out of order, or that the water has been allowed to run in order to keep some exposed pipe from freezing. Notices are sent to these parties to make necessary repairs and stop waste. A contract for furnishing tapping cocks and a contract for furnishing stop-cocks, hydrants, etc., have been entered into.

## TAPS.

Number of taps placed during the quarter..... 455

## METERS.

Number of meters placed during the quarter..... 606

Number of meters in use December 31, 1891..... 24,264

Total number of meters in use March 31, 1892..... 24,870

## USE AND WASTE OF WATER.

The supply to the city is now—

Through New Aqueduct..... 129,000,000  
Through Old Aqueduct..... 25,000,000  
Through Bronx River Conduit..... 9,000,000

**Total..... 163,000,000**

Waste commenced during the cold weather, in the middle of January, and has continued until March 20—at times it amounted to 12,000,000 gallons per day—showing the necessity of continued restrictions by meter and inspection, in order to insure the repairs of plumbing and legitimate use of water.

The capacity of the pumping machinery being limited, as soon as the waste of water commenced a large number of houses in the high service district lost the use of water in one or two stories. This has been remedied by stopping waste, but the large number of new houses to be supplied in this district will use so much water that it will be impossible to keep the pressures in this district as high as they were last year.

Plans and specifications for new High Service Works at the New Aqueduct, between Tenth avenue and Harlem river, under chapter 38, Laws of 1892, are being prepared.

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, April 1, 1892.

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

SIR—I respectfully submit the following report of the principal transactions of this Bureau for the quarter ending March 31, 1892:

## MONEY RECEIVED.

|                                       |                    |
|---------------------------------------|--------------------|
| For the construction of vaults.....   | \$17,141 02        |
| For work and materials furnished..... | 4,508 88           |
| <b>Total.....</b>                     | <b>\$21,649 90</b> |

## EXPENDITURES.

Vouchers amounting in the aggregate to one hundred and sixty-seven thousand and eighty-nine dollars and forty-eight cents were drawn and charged as follows:

|  |           |
|--|-----------|
| Repairs and Renewal of Pavements and Regrading, 1890.....          | \$661 68  |
| Repairs and Renewal of Pavements and Regrading, 1891.....          | 11,487 64 |
| Repairs and Renewal of Pavements and Regrading, 1892.....          | 14,381 97 |
| Repairs and Renewal of Pavements and Regrading—Salaries, 1891..... | 128 00    |
| Repairs and Renewal of Pavements and Regrading—Salaries, 1892..... | 3,599 00  |
| Repaving Streets and Avenues, 1890.....                            | 435 64    |
| Repaving Streets and Avenues, 1891.....                            | 703 24    |
| Repaving Streets and Avenues—Salaries, 1891.....                   | 70 00     |
| Repaving Streets and Avenues—Salaries, 1892.....                   | 1,287 50  |
| Repaving—Chapter 346, Laws of 1889—1891.....                       | 21,661 46 |
| Repairing and Renewal of Pipes, Stop-cocks, etc., 1891.....        | 1,234 75  |
| Repairing and Renewal of Pipes, Stop-cocks, etc., 1892.....        | 25,330 41 |
| Public Drinking-hydrants, 1892.....                                | 18 65     |
| Public Drinking-hydrants—Salaries, 1892.....                       | 300 00    |



|  |                     |
|--|---------------------|
| Street Improvement Fund .....  | \$73,368 71         |
| Restoring and Repaving—Special Fund—Department of Public Works.....            | 6,576 93            |
| Salaries of Engineers, etc., on Repaving, under Chapter 346, Laws of 1889..... | 5,731 95            |
| Contingencies—Department of Public Works, 1891 .....                           | 51 95               |
| <b>Total .....</b>   | <b>\$167,089 48</b> |

## PERMITS ISSUED.

63 for the construction of vaults.  
 38 for repairs to vaults.  
 74 for placing guy-posts.  
 205 for building fires on the streets for roofing purposes, etc.  
 12 for repairs to pavements at expense of property-owners.  
 To the Pennsylvania Railroad Company—Resolution, January 23, 1892—To pave with granite blocks the sidewalk and gutter on the north side of Thirty-seventh street, commencing 100 feet west of Eleventh avenue and running to the pier line of North river.  
 To Dittenheimer & Seaman—Resolution, February 25, 1892—To lay a crosswalk across Centre street, opposite No. 116.

## REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

Owing to the condition of the weather but little work has been done in the way of making repairs to pavements. Much of the time there was either a great deal of frost in the ground or else the pavements were covered with snow.

2,265 square yards of pavement were repaired.

The force employed averaged as follows:

|                   |    |            |    |           |    |        |   |        |
|-------------------|----|------------|----|-----------|----|--------|---|--------|
| In January .....  | 58 | mechanics, | 58 | laborers, | 12 | carts, | 1 | truck. |
| In February ..... | 63 | "          | 63 | "         | 12 | "      | 1 | "      |
| In March .....    | 66 | "          | 67 | "         | 12 | "      | 1 | "      |

In addition to the above, under orders given by the Commissioner of Public Works, 91 square yards of asphalt pavement were repaired at an aggregate cost of \$337.09. This expenditure became necessary in making repairs to fire-hydrants and Croton water-mains in streets paved with asphalt.

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

The aggregate force employed under this appropriation averaged as follows:

|                   |    |            |    |           |    |        |
|-------------------|----|------------|----|-----------|----|--------|
| In January .....  | 33 | mechanics, | 77 | laborers, | 13 | carts. |
| In February ..... | 37 | "          | 95 | "         | 16 | "      |
| In March .....    | 37 | "          | 94 | "         | 16 | "      |

The following is a summary of the principal work performed by the above force:

2 new fire-hydrants were erected.  
 90 old fire-hydrants were taken out and new ones put in.  
 585 defects in Croton water pipes and mains were repaired.  
 964 fire-hydrants were repaired.  
 593 square yards of pavement were repaired.

## PUBLIC DRINKING-HYDRANTS.

2 public drinking-hydrants were repaired.

In anticipation of cold weather and for the preservation of the hydrants water was shut off from all the public drinking-hydrants about the middle of November last. Now that the danger is over they have been set running again.

Notwithstanding the fact that the amount appropriated for public drinking-hydrants for this year is only \$2,000, resolutions are passed at almost every meeting of the Board of Aldermen calling for the erection of new ones. The impossibility of placing new hydrants this year becomes plainly evident when the fact is taken into consideration that the amount referred to is barely sufficient to keep those now existing in ordinary repair. Consequently it becomes my duty to report against the approval of this class of resolutions whenever they are referred to me.

## CONSTRUCTION OF PAVEMENTS.

Until within a very few days the weather since the first day of January has been decidedly against any kind of paving work. Very few contracts of this sort were left over from last year, as the following subdivisions will show:

## UNCOMPLETED PAVING AND REPAVING CONTRACTS.

## REPAVING STREETS AND AVENUES.

Third avenue, from Sixth to Twenty-third street—

This contract has been delayed by the construction of the Third Avenue Cable Railroad. As this road is nearly finished between the points mentioned, the work of repaving the thoroughfare will no doubt be finished during the present season.

Contract time, 65 days. Estimated cost, \$73,545.50.

Park Row, from Frankfort street to and including Chatham Square—

Work on this contract has been delayed through the same agency as the preceding one. The work may be finished this year.

Contract time, 46 days. Estimated cost, \$64,629.

Bowery, from Chatham Square to Sixth street—

Work on this contract has also been delayed, awaiting the completion of the Third Avenue Cable Railroad.

Contract time, 75 days. Estimated cost, \$79,095.

## REPAVING (CHAPTER 346, LAWS 1889).

Park Row, from Frankfort street to Broadway, and

Beekman street, from Park Row to Pearl street—

Delayed on account of the non-completion of the Third Avenue Cable Railroad.

Contract time, 35 days. Estimated cost, \$35,492.30.

Third avenue, from Twenty-third to Fifty-ninth street—

Work in active progress.

Broadway and Union Square, West, from Bowling Green to Thirty-second street—

Work in progress.

West street, from Battery place to Gansevoort street—

Work in progress.

## ASSESSMENT WORK.

## STREET IMPROVEMENT FUND.

The following are all small contracts, but were awarded too late in the season to be finished last year. Work on all will begin before April 15, 1892:

Amsterdam avenue, from One Hundred and Thirtieth to One Hundred and Fortieth street.

Bradhurst avenue, from One Hundred and Forty-second to One Hundred and Forty-fifth street.

Edgcombe avenue, from One Hundred and Thirty-eighth to One Hundred and Forty-first street.

Ninety-eighth street, from Amsterdam avenue to Boulevard.

One Hundred and Nineteenth street, from Seventh to Lenox avenue.

One Hundred and First street, from First to Second avenue.

One Hundredth street, from Third to Lexington avenue.

One Hundred and First street, from Third to Lexington avenue.

One Hundred and Twenty-second street, from Avenue A to Harlem river.

One Hundred and Seventeenth street, from Madison to Fifth avenue.

Ninetieth street, from First to Second avenue.

Ninety-sixth street, from Lexington to Fourth avenue.

One Hundred and Third street, from First avenue to East river.

Fifty-eighth street, from Eleventh avenue to Hudson river.

One Hundred and Fourteenth street, from Manhattan to Columbus avenue.

One Hundred and Seventeenth street, from Eighth to Columbus avenue.

One Hundred and Twenty-second street, from Manhattan to Columbus avenue.

But few paving contracts have been let this year, and as none have been awarded it is not thought necessary to go into details concerning them. It need only be said that every indication points to much more work of this kind being done this year than in any previous year since the existence of the Department.

## STREET OPENINGS.

3,579 openings were made in pavements to repair all mains other than Croton water-mains, and to make connections therefor.

317 defective places in the pavements were repaired by gas companies and other corporations.

2,500 feet of gas-mains were laid.

1,600 feet of trenches were opened for subways, etc.

Table of Areas and Lengths of Different Kinds of Pavements in New York City, March 31, 1892.

| KIND OF PAVEMENT.          | SQUARE YARDS.       | MILES.        |
|----------------------------|---------------------|---------------|
| Specification granite..... | 2,785,313.27        | 128.55        |
| Square granite.....        | 671,789.00          | 25.80         |
| Specification trap.....    | 1,447,778.03        | 68.75         |
| Belgian.....               | 2,352,624.37        | 94.77         |
| Cobble.....                | 27,793.74           | 1.05          |
| Asphalt.....               | 583,965.56          | 27.77         |
| Wood.....                  | 516.00              | .03           |
| Macadam.....               | 809,973.70          | 22.25         |
| <b>Total.....</b>          | <b>8,479,733.67</b> | <b>368.97</b> |

Yours truly,

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, April 2, 1892.

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

DEAR SIR—In compliance with your instructions, I hand you herewith my report of the transactions of the Office of the Engineer in Charge of Sewers for the quarter ending March 31, 1892: 4,203 lineal feet of new sewers and 3 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,350,084 lineal feet (445.00 miles), with 5,317 receiving-basins.

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

9 sewer and 2 basin contracts have been completed viz.:

Sewer in Sixty-fifth street, between property of New York Central and Hudson River Railroad and West End avenue.

Sewer in One Hundred and Twenty-fifth street, between present sewer and bulkhead-wall at One Hundred and Twenty-fifth street, at Harlem river.

Sewer in One Hundred and Sixteenth street, between Amsterdam avenue and Morningside avenue, West.

Sewer in Park avenue, east side, between One Hundred and Fifteenth and One Hundred and Sixteenth streets.

Sewer in Lexington avenue, between Seventy-first and Seventy-second streets.

Sewer in Amsterdam (Tenth) avenue, west side, between One Hundred and Thirty-third street and a point 50 feet south of centre line of One Hundred and Thirty-sixth street.

Alteration and improvement to sewer in Avenue St. Nicholas, west side, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets, etc.

Repairs to sewer in Second street, between Houston street and Avenue C.

Extension of sewer in Fifty-sixth street, between Hudson river and Eleventh avenue, etc.

Alteration and improvement to receiving-basin on the northwest corner of Avenue C and Fourteenth street.

Alteration and improvement to receiving-basin on the northeast corner of Avenue C and Fourteenth street.

There are now in progress 27 contracts for new sewers.

1,541 receiving-basins and 30,116 lineal feet of sewer have been cleaned.

Very respectfully,

HORACE LOOMIS, Engineer in Charge of Sewers.

## REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING MARCH 31, 1892.

## Credit to General Fund—

Amount received for 174 permits for sewer connections..... \$5,775 85

## Engineers' Fees—

Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund..... \$4,705 78

## Sewers—Repairing and Cleaning—

Appropriation for the year 1892..... \$115,000 00

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Laborers, etc..... \$21,405 00

Cleaning..... 1,255 46

Materials and sundries..... 685 00

Balance, March 31, 1892..... 91,654 54

115,000 00

## Sewers—Repairing and Cleaning, 1891—

Balance on hand, December 31, 1891..... \$14,529 62

Vouchers transmitted to the Commissioner of Public Works—

Sundries..... \$6,530 71

Balance, March 31, 1892..... 7,998 91

14,529 62

## Sewers—Repairing and Cleaning—Salaries—

Appropriation for the year 1892..... \$10,000 00

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Inspectors, etc..... \$2,409 98

Balance, March 31, 1892..... 7,590 02

10,000 00

## Sewerage System—Salaries—

Appropriation for the year 1892..... \$8,400 00

Vouchers transmitted to the Commissioner of Public Works—

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

Balance, March 31, 1892..... 6,300 00

8,400 00

## Boring Examinations for Grading, etc.—

Appropriation for the year 1892..... \$5,000 00

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Axeman, etc..... \$745 00

Balance, March 31, 1892..... 4,255 00

5,000 00

## Restoring and Repaving—Special Fund—

Amount received for permits for street openings..... \$8,233 50

## Street Improvement Fund—

Vouchers transmitted to the Commissioner of Public Works—

Pay-roll of Engineers, etc..... \$5,299 98

Pay-roll of Inspectors, etc..... 9,955 70

On contracts..... 44,596 37

\$59,852 05



## Work done by Mechanics and Laborers—

265 receiving-basins relieved.  
1,541 receiving-basins and culverts cleaned.  
22,441 linear feet of sewer cleaned.  
327,962 linear feet of sewer examined.  
32 linear feet of brick sewer rebuilt.  
242 linear feet of brick sewer repaired.  
11 linear feet of brick culvert repaired.  
62 linear feet of new pipe culvert laid.  
12 linear feet of new pipe sewer laid.  
6 linear feet of spur pipe laid.  
17 linear feet of new curb set.  
2 new bulkheads built.  
13 steam pipes plugged.  
9 manhole heads reset.  
1 basin head reset.  
2 new manholes built.  
7 manholes repaired.  
38 basins repaired.  
25 new manhole heads and covers put on.  
4 new basin heads and covers put on.  
20 new basin covers put on.  
44 new manhole covers put on.  
635 cubic feet of brickwork built.  
113 square feet of flagging relaid.  
284 square yards of pavement relaid.  
408 cubic feet of earth excavated and refilled.  
46 cart-loads of earth filling.  
4,872 cart-loads of dirt removed.

Statement Showing the Amount of Work Done on Uncompleted Contracts for the Quarter ending March 31, 1891.

| DATE.             | NATURE AND LOCATION OF WORK.   | ESTIMATED COST. | AMOUNT OF WORK DONE. | DAYS.    |           |            | REMARKS.                    |
|-------------------|--|-----------------|----------------------|----------|-----------|------------|-----------------------------|
|                   |  |                 |                      | Allowed. | Consumed. | Remaining. |                             |
| 1891.<br>May 25   | Sewer in South street, between Market Slip and Montgomery street, connecting with outlet built by the Department of Docks through Pier 36, East river, etc.  | \$36,122 00     | \$16,128 00          | 250      | 180       | 70         |                             |
| Aug. 3            | Alteration and improvement to sewer in Eighteenth street, between East river and Avenue A, etc.; new sewer in Avenue C, between Sixteenth and Eighteenth streets, and connections.                                       | 27,547 50       | 11,400 00            | 170      | 95        | 75         |                             |
| Dec. 4            | Alteration and improvement to sewer in Eighteenth street, between North river and Tenth avenue, connecting with outlet to be built by the Department of Docks.   | 17,363 00       | 6,800 00             | 125      | 75        | 50         |                             |
| " 21              | Repairs to sewer in Rivington street, between Goerck and Columbia streets.   | 5,166 40        | 840 00               | 40       | 15        | 25         |                             |
| 1892.<br>Feb. 1   | Sewer in South street, between Broad and Wall streets, with outlet through Pier, new 6, East river, etc.   | 27,456 50       | 2,705 00             | 250      | 30        | 220        |                             |
| 1890.<br>Oct. 28  | Sewer in Boulevard, west side, and West End avenue, between One Hundred and Fifth and One Hundred and Eighth streets, with curves into One Hundred and Fifth, One Hundred and Sixth and One Hundred and Seventh streets. | 16,087 00       | 16,128 00            | 400      | 360       | 40         |                             |
| June 9            | Sewer in One Hundred and Seventieth street, between Tenth avenue and Kingsbridge road, and in Kingsbridge road, east side between One Hundred and Seventieth and One Hundred and Seventy-third streets, etc.             | 17,686 50       | 14,147 80            | 450      | 400       | 50         |                             |
| 1891.<br>Sept. 24 | Sewer in One Hundred and Twenty-second street, between Boulevard and Claremont avenue, and in Claremont avenue, between One Hundred and Nineteenth and One Hundred and Twenty-second streets.                            | 9,577 00        | 7,350 00             | 250      | 160       | 90         |                             |
| Nov. 17           | Sewer in One Hundred and Eighty-fifth street, between Amsterdam and Audubon avenues.   | 3,057 00        | 1,697 00             | 110      | 70        | 40         |                             |
| Dec. 14           | Sewer in One Hundred and Sixth street, north side, between Central Park, West, and Manhattan avenue.   | 3,608 00        | 2,948 00             | 80       | 60        | 20         |                             |
| " 24              | Sewer in One Hundred and Sixty-second street, between Amsterdam avenue and Jumel Terrace, and in Jumel Terrace, between One Hundred and Sixtieth and One Hundred and Sixty-second streets.                               | 10,237 66       | 1,084 60             | 230      | 48        | 182        |                             |
| 1892.<br>Feb. 8   | Sewer in One Hundred and Forty-eighth street, between Boulevard and Amsterdam avenue, and in Amsterdam avenue, west side, between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets.                  | 6,648 50        | .....                | 150      | .....     | .....      |                             |
| 1891.<br>Dec. 15  | Receiving-basin southwest corner of One Hundred and Tenth street and Madison avenue.   | 211 00          | .....                | 5        | .....     | .....      | Completed but not accepted. |
| Oct. 23           | Sewer in One Hundred and Fifteenth street, between Rivers de avenue and Boulevard, with curves into Boulevard.   | 3,938 40        | .....                | 70       | .....     | .....      | Completed but not accepted. |
| " 9               | Alteration and improvement to sewer in Thirty-fourth street, between Eleventh and Twelfth avenues, and new sewer in Twelfth avenue, between Thirty-fourth and Thirty-fifth streets.                                      | 8,042 50        | 8,323 75             | 100      | .....     | .....      | Completed but not accepted. |
| Apr. 24           | Sewer in Edgecombe avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth sts.  | 41,315 00       | 7,960 00             | 800      | 320       | 480        |                             |
| May 4             | Sewer in Seventy-second street, extending about 615 feet east of Avenue A.   | 14,692 00       | 10,200 00            | 300      | 230       | 70         |                             |
| Nov. 16           | Sewer in First avenue, between Forty-third and Forty-fourth streets.   | 3,399 50        | 1,750 00             | 90       | 65        | 25         |                             |
| " 10              | Sewer in First avenue, between Forty-second and Forty-third streets, connecting with present sewer in Forty-third street, east of First avenue.  | 5,037 00        | 750 00               | 140      | 80        | 60         |                             |
| " 10              | Sewer in First avenue, between Eighty-ninth and Ninetieth streets.   | 2,613 00        | 1,915 00             | 65       | 60        | 5          |                             |
| " 20              | Sewer in One Hundred and Seventeenth street, between Fifth and Madison avenues.  | 6,022 50        | 3,050 00             | 140      | 80        | 60         |                             |
| Dec. 3            | Sewer in One Hundred and First street, between Third and Park avenues.   | 3,653 00        | 1,950 00             | 100      | 70        | 30         |                             |
| " 16              | Sewer in One Hundredth street, between Third and Park avenues, connecting with present sewers in Third avenue, west side, north of One Hundredth street.   | 4,154 00        | 675 00               | 100      | 62        | 38         |                             |
| 1892.<br>Jan. 29  | Sewer in Park avenue, east side, between Ninety-fifth and Ninety-sixth streets, connecting with present sewer in Park avenue, east side, north of Ninety-sixth street.   | 3,706 00        | 800 00               | 80       | 37        | 43         |                             |
| " 29              | Sewer in Thirty-third street, between Lexington and Fourth avenues.  | 2,485 00        | .....                | 50       | 40        | 10         |                             |

| DATE.           | NATURE AND LOCATION OF WORK.   | ESTIMATED COST. | AMOUNT OF WORK DONE. | DAYS.    |           |            | REMARKS. |
|-----------------|--|-----------------|----------------------|----------|-----------|------------|----------|
|                 |  |                 |                      | Allowed. | Consumed. | Remaining. |          |
| 1892.<br>Feb. 1 | Sewer in One Hundred and Twenty-first street, between Harlem river and Pleasant avenue.  | \$1,775 00      | .....                | 35       | 24        | 11         |          |
| " 9             | Sewer in Second avenue, between Seventy-first and Seventy-second streets, and in Seventy-first street, between Second and Third avenues.   | 6,066 00        | .....                | 100      | 27        | 73         |          |
| " 10            | Sewer in One Hundred and Sixteenth street, between Harlem river and Pleasant avenue.   | 2,457 50        | .....                | 50       | 25        | 25         |          |
| " 15            | Sewer in Avenue B, west side, between Eighty-eighth and Eighty-ninth streets, and in Eighty-eighth street, between Avenue B and summit west.   | 3,741 95        | .....                | 100      | 25        | 75         |          |
| " 16            | Sewer in One Hundred and Fifteenth street, between Harlem river and Pleasant avenue.   | 1,416 50        | .....                | 45       | 20        | 25         |          |
| 1891.<br>Dec. 2 | Alteration and improvement to sewer in Ninety-fifth street, between First and Third avenues, in Second avenue, east and west sides, between Ninety-fifth and Ninety-sixth streets, and curve in Second avenue, south of Ninety-fifth street. | 22,025 00       | .....                | 200      | 70        | 180        |          |

## 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, April 7, 1892.

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

SIR—In compliance with your instructions, I hand you herewith a report of the transactions of this Bureau for the quarter ending March 31, 1892.

Respectfully submitted,

W. M. DEAN, Superintendent of Street Improvements.

## STATEMENT OF THE AMOUNT OF WORK DONE DURING THE QUARTER ENDING MARCH 31, 1892.

|                        |              |        |
|------------------------|--------------|--------|
| Earth excavated.....   | cubic yards. | 1,400  |
| Rock excavated.....    | "            | 15,870 |
| Filling furnished..... | "            | 7,600  |
| Curbstones set.....    | lineal feet. | 1,207  |
| Curbstones reset.....  | "            | 1,152  |
| Flagging laid.....     | square feet. | 28,445 |
| Flagging relaid.....   | "            | 6,659  |

## WORK DONE IN FRONT OF CITY PROPERTY.

|                       |              |        |
|-----------------------|--------------|--------|
| Flagging laid.....    | square feet. | 13,864 |
| Flagging relaid.....  | "            | 1,077  |
| Curbstones set.....   | lineal feet. | 1,017  |
| Curbstones reset..... | "            | 233    |
| Bridgestone.....      | square feet. | 160    |
| Board fence.....      | lineal feet. | 338    |

## AMOUNT OF VOUCHERS DRAWN.

|  |             |
|--|-------------|
| Street Improvement Fund.....   | \$29,086 92 |
| Street Improvements—For Surveying, etc.....                            | 585 00      |
| Flagging Sidewalks, etc., in front of City Property.....               | 17 50       |
| Flagging Sidewalks, etc., in front of City Property, 1891.....         | 4,173 84    |
| Retaining-walls in East Fifty-first and East Forty-second streets..... | 156 00      |
| Contingencies—Department of Public Works.....                          | 286 00      |
| Total.....   | \$34,305 26 |

## APPROPRIATIONS.

|  |            |
|--|------------|
| Street Improvements—For Surveying, Monumenting, etc..... | \$3,000 00 |
| Amount of vouchers drawn.....                            | \$585 00   |
| Outstanding liabilities (estimated).....                 | 1,934 00   |
| Balance (estimated).....                                 | 481 00     |
| Total.....   | 3,000 00   |

|   |            |
|---|------------|
| Flagging Sidewalks and Fencing Vacant Lots in front of City Property, 1891..... | \$5,699 31 |
| Amount of vouchers drawn.....   | \$4,587 89 |
| Outstanding liabilities (estimated).....  | 890 00     |
| Balance (estimated).....  | 221 42     |
| Total.....  | 5,699 31   |

|   |            |
|---|------------|
| Flagging sidewalks and Fencing Vacant Lots in front of City Property, 1892..... | \$2,000 00 |
| Amount of vouchers drawn.....   | \$17 50    |
| Outstanding liabilities (estimated).....  | 410 50     |
| Balance (estimated).....  | 1,572 00   |
| Total.....  | 2,000 00   |

|  |          |
|--|----------|
| Retaining-walls in East Fifty-first and East Forty-second streets— |          |
| Amount of voucher drawn.....                                       | \$156 00 |

|  |            |
|--|------------|
| Borings for Sewer and Grading Contracts— |            |
| Outstanding liability.....               | \$2,000 00 |

|   |          |
|---|----------|
| Contingencies—Department of Public Works— |          |
| Amount of vouchers drawn.....             | \$286 00 |

## WORK COMPLETED DURING THE QUARTER.

|   |            |
|---|------------|
| Flagging, curbing, etc.—  |            |
| East side Tenth avenue, from Twenty-ninth to Thirtieth street.....                      | \$2,181 24 |
| Nos. 4 and 6 Christopher street.....  | 155 02     |
| Nineteenth street, from Avenue A to First avenue.....                                   | 1,250 47   |
| No. 419 Pearl street.....   | 58 84      |
| Delancey street, from Mangin to East street.....  | 2,932 32   |
| East side Columbus avenue, from Ninety-third to Ninety-fourth street.....               | 147 89     |
| North side Twenty-sixth and south side Twenty-seventh street, west of Third avenue..... | 90 05      |
| South side Eighty-ninth street, from Second to Third avenue.....                        | 173 60     |
| North side Hester street, from Suffolk to Clinton street.....                           | 445 51     |
| Northeast corner Fifth avenue and Eighty-fifth street, etc.....                         | 343 01     |

Total..... \$7,777 95







## Document "I."

## REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF LAMPS AND GAS,  
ROOM 11, No. 31 CHAMBERS STREET,  
NEW YORK, April 9, 1892.

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 March 31, 1892:

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 thirty-three thousand six hundred and twenty dollars and three cents (\$133,620.03), with liabilities amounting to seventy-seven thousand nine hundred and thirteen dollars and ninety-two cents (\$77,913.92), leaving an available balance of five hundred and ninety-three thousand three hundred and sixty-six dollars and five cents (\$593,366.05).

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 forty-eight hundred and seventy-five dollars and five cents (\$4,875.05).

Exhibit "D" is a summary of the "Lamp Account," showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric-light company during the quarter. A total of thirty-one new gas-lamps and ten new electric-lamps have been fitted up and lighted; fifty-five gas-lamps and sixty-one electric-lamps relighted and three hundred and sixty-three gas-lamps were discontinued, of which three hundred and seventeen gas-lamps were discontinued on account of electric-lights. The total number of lamps lighted at the close of the quarter was twenty-eight thousand two hundred and sixteen, of which twenty six thousand eight hundred and six were gas-lamps, one hundred and forty naphtha lamps, and twelve hundred and seventy electric-lights.

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 station.

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

| OF WHAT COMPANY.                       | SULPHUR.<br>(Grs. in 100 cu. ft.) | AMMONIA.<br>(Grs. in 100 cu. ft.) | SULPHURETED<br>HYDROGEN. |
|--|-----------------------------------|-----------------------------------|--------------------------|
| Consolidated Gas Company—              |                                   |                                   |                          |
| Branch 1.....                          | 4.23                              | 5.93                              | None.                    |
| Branch 2.....                          | 15.27                             | 1.30                              | "                        |
| Branch 3.....                          | 5.51                              | 0.95                              | "                        |
| Branch 4.....                          | 13.91                             | 6.91                              | "                        |
| Branch 6.....                          | 4.48                              | 0.29                              | Trace.                   |
| New York Mutual Gas-light Company..... | 6.37                              | 0.50                              | "                        |
| Equitable Gas-light Company.....       | 6.89                              | 0.35                              | None.                    |
| Standard Gas-light Company.....        | 6.50                              | Trace.                            | "                        |

The following shows the specific gravity of the gases:

|  |      |
|--|------|
| Consolidated Gas Company—                                |      |
| Branch 1, specific gravity.....                          | .630 |
| Branch 2, ".....   | .516 |
| Branch 3, ".....   | .675 |
| Branch 4, ".....   | .509 |
| Branch 6, ".....   | .588 |
| New York Mutual Gas-light Company, specific gravity..... | .746 |
| Equitable Gas-light Company, ".....                      | .708 |
| Standard Gas-light Company, ".....                       | .680 |

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

| OF WHAT COMPANY.                 | AVERAGE<br>MAXIMUM<br>PRESSURE. | AVERAGE<br>MINIMUM<br>PRESSURE. | WHERE TAKEN.   | DISTANCE<br>FROM<br>GAS-WORKS. |
|----------------------------------|---------------------------------|---------------------------------|--|--------------------------------|
| Consolidated Gas Company—        | Inches.                         | Inches.                         |  | Miles.                         |
| Branch 1.....                    | 2.39                            | 1.93                            | Cor. of Grand street and Bowery.                                   | 1.8 <sup>00</sup>              |
| Branch 2.....                    | 3.61                            | 1.52                            | " " "  | 1.8 <sup>00</sup>              |
| Branch 3.....                    | 3.45                            | 1.66                            | " " "  | 3.1 <sup>00</sup>              |
| Branch 4.....                    | 1.78                            | 0.93                            | { Seventy-ninth street, between }<br>{ Second and Third avenues. } | 3.1 <sup>00</sup>              |
| Branch 6.....                    | 2.89                            | 1.59                            | { Seventy-ninth street, between }<br>{ Second and Third avenues. } | 1.1 <sup>00</sup>              |
| New York Mutual Gas-light Co.... | 3.18                            | 2.14                            | Cor. of Grand street and Bowery.                                   | 1.8 <sup>00</sup>              |
| Equitable Gas-light Company..... | 3.76                            | 1.70                            | " " "  | 2.7 <sup>00</sup>              |
| Standard Gas-light Company.....  | 1.78                            | 1.72                            | { Seventy-ninth street, between }<br>{ Second and Third avenues. } | 1.1 <sup>00</sup>              |

Contracts have been executed during the quarter as follows:

M. J. Drummond, 1,000 cast-iron lamp-posts, at .0179 cents per pound.  
E. P. Gleason Manufacturing Company, 2,500 street lamps, at \$2.19 each.  
Bartlett Lamp Manufacturing Company, 400 Boulevard lamps at \$4.75, and 1,500 globes at \$1.80.

Cavanagh & Thompson, 10,000 glass street signs, at .1774 cents each.

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 March 31, 1892.

|                                   |            |
|-----------------------------------|------------|
| Washington Market.....            | \$1,136 24 |
| Catharine Country Market.....     | 54 50      |
| Catharine Meat Market.....        | 4 12       |
| Fulton Meat Market.....           | 384 88     |
| Fulton Country Market.....        | 590 75     |
| Essex Market.....                 | 32 75      |
| Centre Market.....                | 144 88     |
| Clinton Market.....               | 292 88     |
| Union Market.....                 | 12 50      |
| Tompkins Market.....              | 202 75     |
| Jefferson Market.....             | 212 50     |
| First District Police Court.....  | 389 49     |
| Second District Police Court..... | 159 50     |
| Third District Police Court.....  | 75 50      |
| Fourth District Police Court..... | 140 75     |
| Fifth District Police Court.....  | 90 03      |
| First District Civil Court.....   | 21 24      |
| Second District Civil Court.....  | 9 76       |
| Fourth District Civil Court.....  | 19 25      |
| Fifth District Civil Court.....   | 52 25      |
| Sixth District Civil Court.....   | 13 50      |
| Eighth District Civil Court.....  | 12 00      |
| Ninth District Civil Court.....   | 12 25      |

|   |              |
|---|--------------|
| Court of Special Sessions.....  | \$87 50      |
| Brown-stone (Court-room) Building.....  | 293 25       |
| New Court-house.....  | 1,650 13     |
| City Hall.....  | 537 50       |
| Corporation Counsel's Office.....   | 53 12        |
| Corporation Attorney's Office.....  | 51 38        |
| Public Administrator's Office.....  | 17 00        |
| Board of Assessors.....   | 9 62         |
| Department of Public Works.....   | 407 99       |
| Department of Taxes.....  | 6 88         |
| CITY RECORD Bookbindery.....  | 6 25         |
| Register's Office.....  | 146 38       |
| County Jail.....  | 389 75       |
| Pipe Yard, Rivington street.....  | 6 74         |
| Pipe Yard, East Twenty-fourth street.....                                     | 12 88        |
| Tool Shop, Mulberry street.....   | 2 26         |
| Water Purveyor's Shop, West Thirtieth street.....                             | 15 50        |
| Water Purveyor's Shop, East Eighty-seventh street.....                        | 7 25         |
| Water Purveyor's Shop, East One Hundred and Twenty-fifth street.....          | 14 50        |
| South Gate-house.....   | 73 87        |
| Engine-house, High Water Service, High Bridge.....                            | 171 63       |
| Engine-house, High Water Service, Ninety-eighth street.....                   | 240 38       |
| Clock-tower, Third District Court-house.....                                  | 293 50       |
| New York City Civil Service Board.....  | 15 50        |
| Bureau of Streets and Roads, West One Hundred and Nineteenth street.....      | 9 00         |
| Bureau of Incumbrances, East Sixteenth street.....                            | 8 25         |
| Dog Pound, East One Hundred and Second street.....                            | 5 25         |
| Photometric Station, Grand street.....  | 20 62        |
| Photometric Station, East Seventy-ninth street.....                           | 14 00        |
| Seventh Regiment Armory.....  | 1,401 38     |
| Eighth Regiment Armory.....   | 1,194 25     |
| Ninth Regiment Armory.....  | 527 25       |
| Twelfth Regiment Armory.....  | 706 00       |
| Twenty-second Regiment Armory.....  | 1,577 37     |
| Sixty-ninth Regiment Armory.....  | 213 25       |
| Seventy-first Regiment Armory.....  | 282 75       |
| Troop "A" Armory.....   | 152 50       |
| First Battery Armory.....   | 178 75       |
| Second Battery Armory.....  | 160 00       |
| Lighting public markets, etc. (Pay-rolls).....                                | 756 00       |
| Cleaning Photometric Stations (Pay-rolls).....                                | 15 00        |
| Repairing gas-holder, Third avenue and Harlem Bridge.....                     | 290 00       |
| Gas examinations.....   | 443 50       |
| Cartages.....   | 375 00       |
| Rent of Photometric Station, Grand street.....                                | 150 00       |
| Rent of Photometric Station, Seventy-ninth street.....                        | 90 00        |
| New street-lamps.....   | 170 50       |
| New Boulevard lamps.....  | 618 75       |
| New lamp-irons.....   | 84 00        |
| New street-signs.....   | 75 00        |
| Supplies for Photometric Stations.....  | 130 24       |
| Repairing street-lamps, etc.....  | 108 90       |
| Gas Governors.....  | 560 00       |
| Repairing metal street-signs.....   | 174 75       |
| Fitting up new lamps.....   | 76 00        |
| Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....               | 56 00        |
| Resetting and repairing lamp-posts.....                                       | 1,522 00     |
| Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards..... | 291 50       |
| Lighting public gas-lamps.....  | 56,969 40    |
| Lighting public gas-lamps, Twenty-third and Twenty-fourth Wards.....          | 24,660 42    |
| Lighting public electric-lamps.....   | 26,008 95    |
| Lighting public electric lamps, Twenty-third and Twenty-fourth Wards.....     | 4,454 55     |
| Lighting public naphtha-lamps.....  | 513 32       |
| Total.....  | \$133,620 03 |

## RECAPITULATION.

|   |              |
|---|--------------|
| Gas to public offices, etc.....   | \$15,026 25  |
| Supplies to public lamps, etc.....  | 4,041 64     |
| Fitting up new lamps.....   | 76 00        |
| Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....               | 56 00        |
| Resetting and repairing lamp-posts.....                                       | 1,522 00     |
| Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards..... | 291 50       |
| Lighting public gas-lamps.....  | 56,969 40    |
| Lighting public gas-lamps, Twenty-third and Twenty-fourth Wards.....          | 24,660 42    |
| Lighting public electric-lamps.....   | 26,008 95    |
| Lighting public electric lamps, Twenty-third and Twenty-fourth Wards.....     | 4,454 55     |
| Lighting public naphtha-lamps.....  | 513 32       |
| Total.....  | \$133,620 03 |

## EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1892, Showing the Amounts Expended during the Quarter ending March 31, 1892, and the Amount Standing to the Credit of the Appropriation.

|  |              |
|--|--------------|
| Amount appropriated for Lamps and Gas and Electric Lighting, 1892..... | \$804,900 00 |
| Amount of vouchers drawn during the quarter ending March 31.....       | 133,620 03   |
| Balance against which no vouchers have been drawn.....                 | \$671,279 97 |

## LIABILITIES.

|  |             |
|--|-------------|
| Consolidated Gas Company, lighting gas-lamps, month of March.....                          | \$22,077 19 |
| Equitable Gas-light Company, ".....  | 4,427 95    |
| Standard Gas-light Company, ".....   | 2,938 87    |
| New York Mutual Gas-light Company, ".....  | 289 02      |
| Central Gas-light Company, ".....  | 5,028 92    |
| Northern Gas-light Company, ".....   | 6,022 33    |
| Yonkers Gas-light Company, ".....  | 1,442 00    |
| New York and New Jersey Globe Gas-light Company, lighting gas-lamps, month of March.....   | 256 66      |
| United States Illuminating Company, lighting electric-lamps, month of March.....           | 3,798 00    |
| Brush Electric Illuminating Company, lighting electric-lamps, month of March.....          | 3,353 95    |
| East River Electric-light Company, lighting electric-lamps, month of March.....            | 2,397 20    |
| Mount Morris Electric-light Company, lighting electric-lamps, month of March.....          | 1,880 40    |
| Harlem Lighting Company, lighting electric-lamps, month of March.....                      | 2,338 30    |
| North River Electric-light and Power Company, lighting electric-lamps, month of March..... | 2,326 50    |
| Edison Electric Illuminating Company, lighting incandescent lamps to March 31.....         | 130 00      |
| Northern Gas-light Company, gas to public offices, January 1 to March 31.....              | 10 56       |
| Bartlett Lamp Manufacturing Company, 1,200 lamp-irons.....                                 | 500 00      |
| J. L. Mott Iron Works, 800 crossheads.....   | 480 00      |
| Mary Unger, lettering 300 Boulevard globes.....  | 90 00       |
| William R. Pitt, 40 Boulevard lamp-posts.....  | 567 60      |
| E. G. Saltmann, drawing materials.....   | 24 12       |
| E. P. Gleason Manufacturing Company, 5 hanging lamps.....                                  | 40 00       |
| E. P. Gleason Manufacturing Company, 2,500 street-lamps.....                               | 5,475 00    |
| Bartlett Lamp Manufacturing Company, Boulevard lamps.....                                  | 3,981 25    |
| M. J. Drummond, 1,000 lamp-posts.....  | 6,265 00    |
| Cavanagh & Thompson, 10,000 glass street-signs.....  | 1,774 00    |
| Total.....   | 77,913 92   |

Balance available March 31, 1892..... \$593,366 05



## EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1892, Showing the Amounts Expended during the Quarter ending March 31, 1892, with the Balance Standing to the Credit of the Appropriation.

|  |            |
|--|------------|
| Amount appropriated for Lamps and Gas and Electric Lighting—Salaries, for 1892.. | \$6,500 00 |
| Amount of vouchers drawn, month of January .....                                 | \$541 65   |
| Amount of vouchers drawn, month of February .....                                | 541 65     |
| Amount of vouchers drawn, month of March .....                                   | 541 65     |
|  | 1,624 95   |
| Balance available March 31, 1892..   | \$4,875 05 |

## EXHIBIT "D."

Summary of the "Lamp Account," Showing the Number of New Lamps Lighted, Old Lamps Relighted and Lamps Discontinued by each Gas and Electric Light Company during the Quarter ending March 31, 1892.

| CONSOLIDATED GAS COMPANY, BRANCH 1.   |       |  |        |
|---|-------|--|--------|
| Number of lamps lighted December 31, 1891.....                                  | 3,032 |  |        |
| Number of new lamps lighted during the quarter.....                             | 1     |  |        |
| Number of old lamps relighted during the quarter.....                           | 5     |  |        |
|   | 3,038 |  |        |
| Less lamps discontinued during the quarter.....                                 | 5     |  |        |
| Less lamps discontinued on account of electric lights.....                      | 48    |  |        |
|   | 53    |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 2,985  |
| CONSOLIDATED GAS COMPANY, BRANCH 2.   |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 1,618 |  |        |
| Number of new lamps lighted during the quarter.....                             | 0     |  |        |
| Number of old lamps relighted during the quarter.....                           | 9     |  |        |
|   | 1,627 |  |        |
| Less lamps discontinued during the quarter.....                                 | 2     |  |        |
| Less lamps discontinued on account of electric lights.....                      | 37    |  |        |
|   | 39    |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 1,588  |
| CONSOLIDATED GAS COMPANY, BRANCH 3.   |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 1,700 |  |        |
| Number of new lamps lighted during the quarter.....                             | 7     |  |        |
| Number of old lamps relighted during the quarter.....                           | 3     |  |        |
| Number of lamps transferred from New York Mutual Gas Light Company.....         | 6     |  |        |
|   | 1,716 |  |        |
| Less lamps discontinued during the quarter.....                                 | 2     |  |        |
|   |       |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 1,714  |
| CONSOLIDATED GAS COMPANY, BRANCH 4.   |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 3,245 |  |        |
| Number of new lamps lighted during the quarter.....                             | 7     |  |        |
| Number of old lamps relighted during the quarter.....                           | 3     |  |        |
|   | 3,255 |  |        |
| Less lamps discontinued during the quarter.....                                 | 4     |  |        |
|   |       |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 3,251  |
| CONSOLIDATED GAS COMPANY, BRANCH 6.   |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 5,096 |  |        |
| Number of new lamps lighted during the quarter.....                             | 5     |  |        |
| Number of old lamps relighted during the quarter.....                           | 17    |  |        |
|   | 5,118 |  |        |
| Less lamps discontinued during the quarter.....                                 | 15    |  |        |
| Less lamps discontinued on account of electric-lights.....                      | 60    |  |        |
|   | 75    |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 5,043  |
| Total number of lamps lighted by Consolidated Gas Company, March 31, 1892.....  |       |  | 14,581 |
| EQUITABLE GAS-LIGHT COMPANY.  |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 4,224 |  |        |
| Number of new lamps lighted during the quarter.....                             | 2     |  |        |
| Number of old lamps relighted during the quarter.....                           | 8     |  |        |
| Number of lamps transferred from New York Mutual Gas-light Company.....         | 14    |  |        |
| Number of lamps transferred from Standard Gas-light Company.....                | 2     |  |        |
|   | 4,250 |  |        |
| Less lamps discontinued during the quarter.....                                 | 6     |  |        |
| Less lamps discontinued on account of electric-lights.....                      | 139   |  |        |
|   | 145   |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 4,105  |
| STANDARD GAS-LIGHT COMPANY, MADISON SQUARE BRANCH.                              |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 1,088 |  |        |
| Number of new lamps lighted during the quarter.....                             | 1     |  |        |
| Number of old lamps relighted during the quarter.....                           | 0     |  |        |
| Number of lamps transferred from New York Mutual Gas-light Company.....         | 3     |  |        |
|   | 1,092 |  |        |
| Less lamps discontinued during the quarter.....                                 | 0     |  |        |
| Less lamps discontinued on account of electric-lights.....                      | 4     |  |        |
| Less lamps transferred to Equitable Gas-light Company.....                      | 2     |  |        |
|   | 6     |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 1,086  |
| STANDARD GAS-LIGHT COMPANY, HARLEM BRANCH.                                      |       |  |        |
| Number of lamps lighted December 31, 1891.....                                  | 1,497 |  |        |
| Number of new lamps lighted during the quarter.....                             | 0     |  |        |
| Number of old lamps relighted during the quarter.....                           | 7     |  |        |
|   | 1,504 |  |        |
| Less lamps discontinued during the quarter.....                                 | 2     |  |        |
| Less lamps discontinued on account of electric-lights.....                      | 20    |  |        |
|   | 22    |  |        |
| Number of lamps lighted March 31, 1892.....                                     |       |  | 1,482  |
| Total number of lamps lighted by Standard Gas-light Company March 31, 1892..... |       |  | 2,568  |

## NEW YORK MUTUAL GAS-LIGHT COMPANY.

|  |     |  |     |
|--|-----|--|-----|
| Number of lamps lighted December 31, 1891.....             | 205 |  |     |
| Number of new lamps lighted during the quarter.....        | 1   |  |     |
| Number of old lamps relighted during the quarter.....      | 0   |  |     |
|  | 206 |  |     |
| Less lamps discontinued during the quarter.....            | 4   |  |     |
| Less lamps discontinued on account of electric-lights..... | 1   |  |     |
| Less lamps transferred to Consolidated Gas Company ..      | 6   |  |     |
| Less lamps transferred to Equitable Gas light Company ..   | 14  |  |     |
| Less lamps transferred to Standard Gas-light Company.....  | 3   |  |     |
|  | 28  |  |     |
| Number of lamps lighted March 31, 1892.....                |     |  | 178 |

## CENTRAL GAS-LIGHT COMPANY.

|  |       |  |       |
|--|-------|--|-------|
| Number of lamps lighted December 31, 1891.....             | 2,181 |  |       |
| Number of new lamps lighted during the quarter.....        | 7     |  |       |
| Number of old lamps relighted during the quarter.....      | 3     |  |       |
|  | 2,191 |  |       |
| Less lamps discontinued during the quarter.....            | 4     |  |       |
| Less lamps discontinued on account of electric lights..... | 8     |  |       |
|  | 12    |  |       |
| Number of lamps lighted March 31, 1892.....                |       |  | 2,179 |

## NORTHERN GAS-LIGHT COMPANY.

|   |       |  |       |
|---|-------|--|-------|
| Number of lamps lighted December 31, 1891.....        | 2,579 |  |       |
| Number of new lamps lighted during the quarter.....   | 0     |  |       |
| Number of old lamps relighted during the quarter..... | 0     |  |       |
|   | 2,579 |  |       |
| Less lamps discontinued during the quarter.....       | 2     |  |       |
|   |       |  |       |
| Number of lamps lighted March 31, 1892.....           |       |  | 2,577 |

## YONKERS GAS-LIGHT COMPANY.

|   |     |  |        |
|---|-----|--|--------|
| Number of lamps lighted December 31, 1891.....        | 618 |  |        |
| Number of new lamps lighted during the quarter.....   | 0   |  |        |
| Number of old lamps relighted during the quarter..... | 0   |  |        |
|   | 618 |  |        |
| Less lamps discontinued during the quarter.....       | 0   |  |        |
|   |     |  |        |
| Number of lamps lighted March 31, 1892.....           |     |  | 618    |
| Total number of gas-lamps lighted March 31, 1892..... |     |  | 26,806 |

## NAPHTHA-LAMPS.

## NEW YORK AND NEW JERSEY GLOBE GAS-LIGHT COMPANY.

|   |     |  |     |
|---|-----|--|-----|
| Number of lamps lighted December 31, 1891.....            | 140 |  |     |
| Number of new lamps lighted during the quarter.....       | 0   |  |     |
| Number of old lamps relighted during the quarter.....     | 0   |  |     |
|   | 140 |  |     |
| Less lamps discontinued during the quarter.....           | 0   |  |     |
|   |     |  |     |
| Total number of naphtha-lamps lighted March 31, 1892..... |     |  | 140 |

## ELECTRIC-LAMPS.

## UNITED STATES ILLUMINATING COMPANY.

|   |     |  |     |
|---|-----|--|-----|
| Number of lamps lighted December 31, 1891.....        | 294 |  |     |
| Number of new lamps lighted during the quarter.....   | 1   |  |     |
| Number of old lamps relighted during the quarter..... | 13  |  |     |
|   | 308 |  |     |
| Less lamps discontinued during the quarter.....       | 0   |  |     |
|   |     |  |     |
| Number of lamps lighted March 31, 1892.....           |     |  | 308 |

## BRUSH ELECTRIC ILLUMINATING COMPANY.

|  |     |  |     |
|--|-----|--|-----|
| Number of lamps lighted December 31, 1891.....                   | 273 |  |     |
| Number of new lamps lighted during the quarter.....              | 0   |  |     |
| Number of old lamps relighted during the quarter.....            | 0   |  |     |
|  | 273 |  |     |
| Less lamps transferred to East River Electric-light Company..... | 9   |  |     |
|  |     |  |     |
| Number of lamps lighted March 31, 1892.....                      |     |  | 264 |

## EAST RIVER ELECTRIC-LIGHT COMPANY.

|   |     |  |     |
|---|-----|--|-----|
| Number of lamps lighted December 31, 1891.....                            | 136 |  |     |
| Number of new lamps lighted during the quarter.....                       | 0   |  |     |
| Number of old lamps relighted during the quarter.....                     | 48  |  |     |
| Number of lamps transferred from Brush Electric Illuminating Company..... | 9   |  |     |
| Number of lamps transferred from Harlem Lighting Company.....             | 7   |  |     |
|   | 200 |  |     |
| Less lamps discontinued during the quarter.....                           | 0   |  |     |
|   |     |  |     |
| Number of lamps lighted March 31, 1892.....                               |     |  | 200 |

## MOUNT MORRIS ELECTRIC-LIGHT COMPANY.

|   |     |  |     |
|---|-----|--|-----|
| Number of lamps lighted December 31, 1891.....        | 154 |  |     |
| Number of new lamps lighted during the quarter.....   | 0   |  |     |
| Number of old lamps relighted during the quarter..... | 0   |  |     |
|   | 154 |  |     |
| Less lamps discontinued during the quarter.....       | 0   |  |     |
|   |     |  |     |
| Number of lamps lighted March 31, 1892.....           |     |  | 154 |

## HARLEM LIGHTING COMPANY.

|   |     |  |     |
|---|-----|--|-----|
| Number of lamps lighted December 31, 1891.....        | 175 |  |     |
| Number of new lamps lighted during the quarter.....   | 9   |  |     |
| Number of old lamps relighted during the quarter..... | 0   |  |     |
|   | 184 |  |     |
| Less lamps discontinued during the quarter.....       | 7   |  |     |
|   |     |  |     |
| Number of lamps lighted March 31, 1892.....           |     |  | 177 |



NORTH RIVER ELECTRIC-LIGHT AND POWER COMPANY, SUCCESSOR TO  
NORTH NEW YORK LIGHTING COMPANY.

|   |        |        |
|---|--------|--------|
| Number of lamps lighted December 31, 1891 .....             | 167    |        |
| Number of new lamps lighted during the quarter .....        | 0      |        |
| Number of old lamps relighted during the quarter .....      | 0      |        |
| Less lamps discontinued during the quarter .....            |        | 167    |
| Number of lamps lighted March 31, 1892 .....                |        | 167    |
| Total number of electric-lamps lighted March 31, 1891 ..... |        | 1,270  |
| RECAPITULATION.   |        |        |
| Number of gas-lamps lighted December 31, 1891 .....         | 27,083 |        |
| Number of naphtha-lamps lighted December 31, 1891 .....     | 140    |        |
| Number of electric-lamps lighted December 31, 1891 .....    | 1,199  |        |
|   |        | 28,422 |

|   |     |        |
|---|-----|--------|
| Number of new gas-lamps lighted during the quarter .....        | 31  |        |
| Number of new naphtha-lamps lighted during the quarter .....    | 0   |        |
| Number of new electric-lamps lighted during the quarter .....   | 10  |        |
|   |     | 41     |
| Number of old gas-lamps relighted during the quarter .....      | 55  |        |
| Number of old naphtha-lamps relighted during the quarter .....  | 0   |        |
| Number of old electric-lamps relighted during the quarter ..... | 61  |        |
|   |     | 116    |
| Less gas-lamps discontinued during the quarter .....            | 46  |        |
| Less gas-lamps discontinued on account of electric-lights ..... | 317 |        |
| Less naphtha-lamps discontinued during the quarter .....        | 0   |        |
| Less electric-lamps discontinued during the quarter .....       | 0   |        |
|   |     | 363    |
| Total number of lamps lighted March 31, 1892 .....              |     | 28,216 |

## 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 March 31, 1892, as Shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

| FOR WHAT TIME.                | CONSOLIDATED GAS CO., BRANCH 1. |          |          | CONSOLIDATED GAS CO., BRANCH 2. |          |          | CONSOLIDATED GAS CO., BRANCH 3. |          |          | CONSOLIDATED GAS CO., BRANCH 4. |          |          | CONSOLIDATED GAS CO., BRANCH 5. |          |          | N. Y. MUTUAL GAS-LIGHT CO.     |          |          | EQUITABLE GAS-LIGHT CO.        |          |          | STANDARD GAS-LIGHT CO.         |          |          |
|-------------------------------|---------------------------------|----------|----------|---------------------------------|----------|----------|---------------------------------|----------|----------|---------------------------------|----------|----------|---------------------------------|----------|----------|--------------------------------|----------|----------|--------------------------------|----------|----------|--------------------------------|----------|----------|
|                               | ILLUMINATING POWER IN CANDLES.  |          |          | ILLUMINATING POWER IN CANDLES.  |          |          | ILLUMINATING POWER IN CANDLES.  |          |          | ILLUMINATING POWER IN CANDLES.  |          |          | ILLUMINATING POWER IN CANDLES.  |          |          | ILLUMINATING POWER IN CANDLES. |          |          | ILLUMINATING POWER IN CANDLES. |          |          | ILLUMINATING POWER IN CANDLES. |          |          |
| Week ending—                  | Lowest.                         | Highest. | Average. | Lowest.                         | Highest. | Average. | Lowest.                         | Highest. | Average. | Lowest.                         | Highest. | Average. | Lowest.                         | Highest. | Average. | Lowest.                        | Highest. | Average. | Lowest.                        | Highest. | Average. | Lowest.                        | Highest. | Average. |
| Jan. 2, 1892.....             | 23.13                           | 27.10    | 25.38    | 20.59                           | 21.04    | 20.86    | 25.68                           | 26.50    | 26.13    | 21.62                           | 25.46    | 22.99    | 24.96                           | 27.50    | 26.46    | 29.00                          | 29.92    | 29.62    | 29.64                          | 30.55    | 30.10    | .....                          | .....    | .....    |
| " 9, " .....                  | 26.78                           | 28.06    | 27.39    | 19.88                           | 23.24    | 21.39    | 25.82                           | 27.35    | 26.84    | 22.58                           | 24.70    | 23.71    | 23.86                           | 26.02    | 24.71    | 29.64                          | 30.43    | 30.16    | 30.18                          | 32.78    | 30.79    | .....                          | .....    | .....    |
| " 16, " .....                 | 26.02                           | 29.16    | 28.06    | 20.40                           | 27.02    | 22.58    | 25.85                           | 29.20    | 27.65    | 21.28                           | 25.54    | 23.91    | 23.20                           | 26.68    | 25.03    | 27.26                          | 29.60    | 28.87    | 30.26                          | 32.12    | 31.05    | .....                          | .....    | .....    |
| " 23, " .....                 | 21.90                           | 25.02    | 23.46    | 18.22                           | 22.40    | 20.16    | 25.40                           | 26.74    | 26.07    | 19.28                           | 23.34    | 21.54    | 22.18                           | 25.88    | 24.06    | 25.78                          | 29.36    | 27.64    | 28.64                          | 30.76    | 29.67    | .....                          | .....    | .....    |
| " 30, " .....                 | 24.18                           | 25.48    | 23.46    | 18.74                           | 21.80    | 20.67    | 25.10                           | 27.74    | 26.56    | 20.28                           | 23.95    | 21.98    | 24.74                           | 26.92    | 25.90    | 28.38                          | 30.50    | 29.17    | 29.54                          | 31.39    | 30.24    | .....                          | .....    | .....    |
| Feb. 6, " .....               | 21.56                           | 24.04    | 23.15    | 18.28                           | 21.18    | 19.88    | 24.36                           | 27.36    | 26.34    | 20.94                           | 22.26    | 21.61    | 24.12                           | 25.14    | 24.74    | 27.48                          | 29.08    | 28.24    | 29.34                          | 29.84    | 29.64    | 25.00                          | 25.86    | 25.32    |
| " 13, " .....                 | 21.64                           | 23.90    | 22.85    | 19.70                           | 20.77    | 20.43    | 25.97                           | 27.22    | 26.81    | 19.32                           | 21.02    | 20.34    | 23.50                           | 24.98    | 24.29    | 29.04                          | 30.54    | 29.71    | 30.88                          | 32.16    | 31.25    | 25.92                          | 27.72    | 26.80    |
| " 20, " .....                 | 20.93                           | 21.50    | 22.84    | 19.40                           | 20.74    | 20.16    | 27.76                           | 28.58    | 28.24    | 18.37                           | 20.66    | 19.91    | 23.63                           | 24.25    | 23.99    | 27.67                          | 29.82    | 29.07    | 29.78                          | 30.68    | 30.22    | 25.62                          | 27.74    | 26.65    |
| " 27, " .....                 | 20.04                           | 22.03    | 21.23    | 19.18                           | 20.18    | 19.70    | 27.19                           | 28.08    | 27.63    | 18.70                           | 21.64    | 20.13    | 22.95                           | 24.16    | 23.32    | 29.08                          | 29.68    | 29.38    | 29.74                          | 30.46    | 29.93    | 24.64                          | 27.34    | 26.25    |
| Mar. 5, " .....               | 20.55                           | 22.38    | 21.78    | 18.32                           | 21.14    | 19.34    | 26.12                           | 28.68    | 27.18    | 20.25                           | 22.42    | 21.12    | 23.74                           | 24.60    | 24.21    | 28.72                          | 29.34    | 29.07    | 29.38                          | 30.52    | 29.89    | 25.92                          | 27.28    | 26.53    |
| " 12, " .....                 | 19.37                           | 25.38    | 22.74    | 19.40                           | 20.80    | 20.26    | 27.42                           | 29.08    | 28.33    | 19.38                           | 21.94    | 20.67    | 23.06                           | 24.76    | 23.91    | 27.16                          | 30.96    | 29.49    | 29.98                          | 30.88    | 30.33    | 24.28                          | 26.86    | 25.81    |
| " 19, " .....                 | 22.72                           | 25.77    | 24.40    | 20.85                           | 22.22    | 21.48    | 25.88                           | 29.14    | 27.78    | 21.18                           | 24.04    | 22.03    | 24.32                           | 26.40    | 25.13    | 29.38                          | 31.94    | 30.88    | 27.62                          | 30.44    | 29.22    | 26.43                          | 29.68    | 27.47    |
| " 26, " .....                 | 23.50                           | 24.88    | 23.99    | 20.64                           | 23.29    | 21.67    | 26.34                           | 28.48    | 27.16    | 20.78                           | 23.30    | 21.74    | 24.88                           | 25.90    | 25.28    | 29.80                          | 32.18    | 31.02    | 28.08                          | 29.39    | 28.63    | 26.74                          | 27.54    | 27.09    |
| For the Quarter.....          | 19.37                           | 29.16    | 23.70    | 18.22                           | 27.02    | 20.66    | 24.36                           | 29.20    | 27.13    | 18.37                           | 25.54    | 21.67    | 22.18                           | 27.50    | 24.69    | 25.78                          | 32.18    | 29.41    | 27.62                          | 32.16    | 30.07    | 24.28                          | 29.68    | 26.49    |
| Distance from gas-works ..... | 1.86 Miles .....                |          |          | 1.88 Miles .....                |          |          | 3.84 Miles .....                |          |          | 3.88 Miles .....                |          |          | 1.5 Miles .....                 |          |          | 1.81 Miles .....               |          |          | 2.79 Miles .....               |          |          | 1.80 Miles.                    |          |          |
| Testing burner .....          | Bray's Slit Union No. 7.....    |          |          | Bray's Slit Union No. 7.....    |          |          | Bray's Slit Union No. 7.....    |          |          | Bray's Slit Union No. 7.....    |          |          | Bray's Slit Union No. 7....     |          |          | Bray's Slit Union No. 7....    |          |          | Bray's Slit Union No. 7....    |          |          | Bray's Slit Union No. 7.       |          |          |

## Document "K."

## REPORT OF THE SUPERINTENDENT OF REPAIRS AND SUPPLIES.

CITY OF NEW YORK—DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF REPAIRS AND SUPPLIES,  
SUPERINTENDENT'S OFFICE, NO. 31 CHAMBERS STREET, ROOM 15,  
NEW YORK, April 6, 1892.

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

SIR—I have the honor to submit to you the following report of the transactions of this Bureau for the quarter ending March 31, 1892.

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

## NEW CRIMINAL COURT HOUSE.

All the interior walls of this building are up to the height to receive the top story floor beams. The Elm street front is up to within about 17 feet of its full height, and the White and Franklin street fronts, for a distance of about 40 feet easterly from Elm street, are also up to the floor level of the last story. The other portions of the front walls on Centre, White and Franklin streets are within about 30 feet of their full height. The marble for the arcade is in place to the level of the fourth story, above the first mezzanine story and 2 pilasters, 6 carved caps, 11 architraves, 20 ornamental brackets, and a course of ashler are necessary to complete the marble of the fourth story of the arcade, and it is reported to me that all the stone to complete the arcade is cut and ready for delivery. 69,800 superficial feet of the fire-proof tiling has been put in place on the several floors. 9,331,000 common brick have been delivered on the work and built in the walls. 273,560 firing brick have been delivered, nearly the whole number required to complete the work, beside 125,000 front bricks. Portions of the fire-proof partitions which divide the office spaces have been started. The granite work on the lines of the building is all in place. The balusters and capping on the Elm street porch is still incomplete. The bases, dies, columns and caps for the main entrance on Centre street are almost cut and carved, and it is reported to me that the steps and platforms and cornices required to finish the above porch and archway and stoops on Franklin and White streets are in such a forward condition that the work can be finished without hindrance to the completion of the main building.

Large quantities of the cut brown stone has been delivered at the building, and a good force of stone-setters, fitters and derrickmen are engaged in putting this material in place.

The housesmith work, including columns, girders, floor beams and interior wall studding, together with some of the stair stringers, are in place.

The floor beams and girders are in place up to all portions where walls are ready to receive them, and I am informed that all the iron needed to complete the housesmiths' work is out in the shops and ready for delivery and placing in position.

The steam-heating and ventilation is in a forward condition, the boilers, pumps, engines, fans, steam supply mains, air ducts, chimney stacks, hot air chambers and radiators, tanks, etc., are in position and advanced as far as the condition of the building permits.

The electric service has been put underway; two of the air compressors for this service have been put in position.

The plumbing and gas-fitting is progressing as rapidly as the situation will allow.

The gas-fitting has also been progressed as far as the building will permit.

The carpenters' work is reported as being fairly underway; the working drawings and designs for this work are completed, and arrangements made for the delivery and putting up of the work immediately following the completion of mason or other work being in condition to receive it.

Number of days allowed by contract..... 500  
Number of days since work began..... 633  
Days unfit for work..... 163

Actual working days..... 459

Number of days remaining under contract..... 41

## HARLEM COURT-HOUSE.

The masonry of the above building, with the exception of the clock tower, is topped out, and the work of the tower is under way, all the cut stone to finish it having been cut and delivered, and it is now almost completely under roof. The dormer windows, skylights, decks, valleys, gutters, hips, cornices and crestings have been made out of heavy sheet copper, and the flanks and ends of the roofs have been covered with red Spanish tiles.

The plumbing work, including soil and back-air piping which is inclosed in the walls, is all in place, as is the water-supply piping. All the rising, air and water-supply piping for the prison is in place. The hoppers for cells are ready to be fitted up, and the plumbing only awaits the completion of plastering to finish and fit up basins, urinals and flush tanks in the several rooms provided for their location.

The electric work is also well advanced; the wiring is almost completed. The work remaining unfinished can only be done following the finishing of the building.

The housesmiths' work, comprising prison-window guards, inclosure rail of prison pens, columns, girders, beams, stair strings, lintels, etc., except iron frame for stair tower spire, cell doors, stair and prison balconies and area railings, are all in place. The work is so far advanced as to permit the beginning of the plasterers' work at an early day.

The building is inclosed; all the windows are covered with muslin to protect its interior from storms. The under flooring (the floors are to be double thick) in the apartments designed for offices are laid, the studded partitions are up, and this portion of the building is almost ready for plastering.

The working drawings, embracing designs for paneling, doors and trim, brackets, guard railing for court rooms, carved and other baluster rail, have been delivered to the contractor, and this work is under way.

The fire-proof arch blocks in the janitor's, warden's and matron's rooms and for the floor dividing the male from the female prison are all in place, and sleepers are now being put down to receive the planking in the apartments to have wooden floors.

The boilers to operate elevators and to furnish heat and supply power for the ventilation of the building are in place, and the steam-mains, rising pipes and connections necessary to be presently made, are being well advanced.

The gas-piping throughout the building, where it is required to be under cover, is also well forwarded.

The present condition of the building warrants the expectation that it will be finished within the time stipulated by the contract.

Number of days allowed by contract..... 400  
Number of days since work began..... 380  
Number of days unfit for work, including Sundays and holidays..... 104

Actual number of working days..... 276

Number of days remaining to complete the building under time allowance..... 124

## THE NEW COURT-HOUSE.

Superior Court—In Part II. and in the Judge's room the iron window sashes have been repaired and reglazed with two plates of polished French glass. Law books and bibles have been furnished for use of the Court.

Court of Common Pleas—A new safe lock combination was put on the safe in the Naturalization Bureau, and the locks on the other safes repaired and put in order.

Sheriff's Office—Rotary stools, desk and office chairs have been furnished, a new combination lock placed on safe and some law books furnished.

County Clerk's Office—Owing to the crowded state of the Old Map and Record room an additional room was fitted up in the basement adjoining. Alterations were made to the steam pipes and traps, the plastering repaired, the ceiling, walls and wood work painted and calcimined, and new cases of shelving and drawers put up for the safe keeping of maps and other valuable records, many of which it would be almost impossible to duplicate should they be destroyed or lost. The new cases will do much for their preservation, while rendering them easy of access. The additional floor space is about 600 square feet. The Old Map and Record room was painted and calcimined.

The Elevators—The pistons and valves have been repacked and the locks on the doors repaired and put in good order.



## THE CITY HALL.

Board of Aldermen's Room—Name plates have been placed on the boxes of the new Aldermen, and a new carpet laid in the Clerk's office. The roof over the chamber of the Board has been repaired, new flashings put around the walls and ventilator and the new work painted.

The chimney of the Mayor's Office has been cleaned, and a new galvanized iron cap, with Emerson head, placed on the same. A new grate was put in the CITY RECORD Office and a new range put in the Janitor's kitchen. Law books have been furnished for use of the Mayor's Office, Clerk of the Board of Aldermen, CITY RECORD Office and the City Court.

Repairs have been made to the steam-pipes and pump and to the plumbing in the building.

## THE BROWN-STONE BUILDING.

The steps on the south front have been covered with yellow pine plank with rubber treads, and new hand-rails put up.

Court of General Sessions—In Part I. the carpet has been taken up, cleaned, relined and relaid.

The District Attorney's Office—A new black walnut wardrobe and some armchairs have been furnished, and the doors of the Assistant District Attorneys relattered.

In the ladies' waiting-room the number of visitors in January was..... 405  
February..... 350  
March..... 678

Total for the quarter..... 1,633

This room has been fitted up for the use and accommodation of females who are obliged to attend the sessions of the Court, either as witnesses or interested parties to the trials. It is in care of an experienced matron whose duty it is to see that all who avail themselves of the privileges, shall act with decorum and that the place be kept neat and clean. The necessity for such a waiting-room is sufficiently demonstrated by the large number of persons who avail themselves of the accommodation which it affords.

## HALL OF RECORDS—REGISTER'S OFFICE.

A case of shelving about 19 feet long and 15 feet high, divided into 5 sections, each inclosed with 3 pair of panel doors and secured with Yale locks, has been put up in the large room on the third floor for the filing of records, mortgages, etc.

Two table desks, 3 rotary desk chairs and 6 rotary stools have been furnished, and a new shade hung on the window of the private office.

## NO. 31 CHAMBERS STREET.

In the Water Register's Office—A space has been inclosed about 6 feet wide and 11 feet long, with an ash rail and iron wire top rail, containing a standing desk with shelving and drawers, for use of the Clerk in charge of Water to Shipping.

## BUREAU OF STREETS AND ROADS.

In Room No. 14 an iron wire railing about 13 feet long and 6½ feet high, with gate and cash-holes, has been put up.

In Room No. 12 the floor has been cleaned and varnished, the plastering repaired and the walls touched up. A portable toilet stand complete and a looking-glass furnished and the gas fixtures altered.

## BUREAU OF INCUMBRANCES.

Two rotary desk chairs and looking-glass have been furnished.

The boiler furnaces have been repaired and relined, and repairs made to the steam pipes and valves.

The elevator has been repaired, the pistons repacked and car readjusted.

## STEWART BUILDING.

Finance Department—A new black walnut case 8 feet long, 8 feet high and 18 inches deep, was put up in Room No. 3 for use of the Bureau for Collection of City Revenue and Markets.

Office of Receiver of Taxes—A new clock was put up in the basement for use of this office.

A new safe was furnished for the Deputy Comptroller's office.

Commissioners of Accounts—Three black walnut cases of shelves, drawers and pigeon-holes were put up in the Clerk's office, and a telephone with all necessary fixtures put up and connected with Central office.

## DEPARTMENT OF STREET CLEANING.

A black walnut wardrobe was furnished for use of the Commissioner, and a water cooler and stand for the office.

## STAATS ZEITUNG BUILDING.

Corporation Counsel's Office—Some law books have been furnished.

## DEPARTMENT OF TAXES AND ASSESSMENTS.

Directories furnished.

## NO. 49 BEEKMAN STREET.

Corporation Attorney's Office—Some new signs were painted and door mats furnished.

## THE MARKETS.

Washington Market—The broken cast-iron panels in the fence inclosing the sidewalks on Vesey, West and Fulton streets, have been taken out and replaced with heavy spruce plank, to the height of 4 feet. The corrugated iron panels have been repaired and the posts braced. Repairs have been made to the roof over Stands Nos. 20, 126, 214, 351 and 356, and the gutter for about 30 feet on West street side relined with new tin, 30 inches wide. The slate roof repaired, new flashing put around the flag pole, and new connections made with leader from the gravel roof over stand No. 214, and the roof of the sidewalk shed has been repaired and painted.

West Washington Market—Specifications were prepared for the work of extending the cross and longitudinal walls in the two buildings on Bloomfield street, between West street and Thirteenth avenue, and carrying them above the roofs, and making such alterations in the buildings as will tend to make them fire-proof. This work has been advertised and will be proceeded with as soon as the contract is awarded and signed. The slate roofs of the 4 towers and the leaders at Stands Nos. 50 and 32 Bloomfield street, Nos. 3, 17, 18 and 44 Loew avenue, Nos. 15, 17, 18, 31 and 49 Hewitt avenue, Nos. 1, 4, 18, 21, 50 and 63 Thompson avenue, and Nos. 18, 33, 47 and 63 Grace avenue, and the roof over Stand No. 20 Hewitt avenue have been repaired and new leaders supplied where needed.

Fulton Market—Repairs have been made to the roof of the tower on Beekman and South street corner, and around the chimneys and flag pole. The valleys and pediments on Front and Beekman streets have been relined. The gutters and leaders of the tower have been repaired and painted. Two lights of ribbed glass, 3 feet long by 12 inches wide, have been put in skylight. The flat roof on Front street side over Stands Nos. 49, 51, 53, 55, 57, 58 and 60, and the gravel roof over Stands Nos. 131, 132, 134, 136, 138, 169, 171, 173, 174, 175, 176 and 178 have been repaired and new pans put in to connect the leaders, and 7 lights of ¼-inch ribbed glass, 15 inches wide and 6 feet long, put in skylights. The flooring under Stands Nos. 12, 14 and 16 has been jacked up and repaired, and the outside doors of the market repaired where needed.

Centre Market—The 3 old flag poles were removed as they had become dangerous, and new Emerson tops have been placed on two chimneys.

Clinton Market—About 4,600 square feet of flooring has been removed and replaced with new yellow pine 1¼-inch flooring, and new sleepers were put in where necessary. These repairs were scattered all over the market, and the floor is now in very good condition. New number signs were painted and put up over the several stands.

Essex Market—The flag pole on the southeast corner was taken down and the roof repaired. The valley relined with new L. P. L. tin and the entire roof painted, and the walls and coping pointed up with Portland cement.

## THE ARMORIES.

Troop "A"—A new armorer's lathe and a complete set of armorer's tools have been furnished for use of this command.

Second Battery Armory—New galvanized iron tops with Emerson heads were put on the chimneys, and the flooring repaired in several places.

Seventh Regiment Armory—The window sills of the louveres on the top deck and a portion of the brick wall on the Sixty-seventh street side have been flashed with new tin. The gutters over brick wall of the drill room repaired and painted, and the tin work of the administration building and first deck of the tower were repaired and painted, and the gravel roof made weather tight. Some janitor's and armorer's supplies have been delivered to the several armories.

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

The roof has been repaired and painted, and the plastering in the several rooms pointed up and repaired.

The Old Arsenal building, corner of White and Elm streets—Some of the burned roof timbers pressing against the walls have been removed. This building having been condemned by the Bureau of Building Inspection of the Fire Department, arrangements have been made to have the same sold at public auction, the buyer to remove it immediately and grade off the lot to the level of the sidewalk.

## THE COURTS—POLICE AND CIVIL.

First District Police Court—The roof and skylight have been repaired and painted.

Sixth District Police Court—A new fire-proof safe and 6 black walnut armchairs have been furnished.

First District Civil Court—The roof has been repaired, the gutters relined and the entire roof painted with metallic paint; the chimneys pointed up, one chimney rebuilt, and some law books furnished for use of the Court.

Third District Court-house—A new range and boiler, with necessary plumbing and connections, were put up in the janitor's kitchen, and some law books furnished for the Court.

Sixth District Civil Court—New carpet has been laid and lined in the space in front of the railing and in the aisle between the benches.

Seventh District Civil Court-house—New window shades have been hung in Court-room and Clerk's office, and repairs made to the plumbing and steam-fitting.

Ninth District Civil Court—Four rotary desk chairs and some law books have been furnished.

The County Jail—The entire roof has been repaired and painted, the cells white-washed, and a new yellow pine floor laid in the galleries of the three tiers of cells.

## CONTRACTS AND SPECIFICATIONS.

The following is a list of the specifications and contracts which were prepared and made during the quarter:

Contract for 3,500 gross tons of coal.

Contract for 500,000 pounds of ice in bulk and 120 pieces for water coolers per day.

Contract for alterations to two buildings in West Washington Market.

Contract for janitor's supplies.

Contract for painting the 15 free floating baths.

Contract for ship-carpenter work on baths.

Contract for repairs to roofs of baths.

Contract for repairs to the portico and steps of the City Prison, and

Contract for the alterations to the steam-heating and ventilation of the New County Court-house.

The contract for repairs to Nos. 8, 10, 12 and 14 Chambers street has been completed.

Contract for moving the dog pound about 75 feet west of its former location at the foot of East One Hundred and Second street. This was necessary in order to afford room for the Dock Department to build a bulkhead. The work has been completed satisfactorily.

## THE FREE FLOATING BATHS.

The 15 free floating baths have been safely moored in their winter quarters on the overflowed lands adjoining Gowanus Creek, at Twenty-third street, South Brooklyn. During the winter a careful examination of the pontoons belonging to these has been made to determine their fitness and their required repair, and the flooring of the swimming-tanks have been very thoroughly examined to make such needed repairs, looking to their safety before being ordered into service. New stairs have been made and put in the swimming-baths to replace those found decayed by age or otherwise dangerous, and repairs have been made to the outside of the structures, rendered necessary by their last year's service in commission. This work has been done by the men retained as bath-keepers and watchmen, who watch the baths and save them from the danger of winter storms or fire. Beside this, contracts have been made to take out 34 of the old pontoons, repair, recaulk and pitch and securely block and replace them in proper position, and to build 3 new pontoons. Build 5 new gangway bridges and furnish 50 new plugs for pontoons. To paint the interior of 13 of the baths, and to paint the Battery and Market street baths, outside and inside, throughout. The tin roofs covering the dressing-rooms were to be carefully repaired and repainted. Five new signal lamps, with copper frames and furnished with ruby glass, and repair about 20 old lamps. To repair about 20 old canal-boat pumps, furnish new handles and plungers and to make 3 new galvanized iron pumps.

The baths have also been supplied with 1,200 feet new 6-inch bolt manilla hawser, 250 feet 3-inch manilla rope, and about 250 feet 1-inch rope, and the usual supply of soap, brooms, brushes, etc., necessary to keep them clean. At this time the painting is almost finished, the roofs have been repaired and painted, and the work of repairing the pontoons and replacing them is progressing satisfactorily.

The berths for the baths have been assigned, and assignments have been accepted, being similar to the locations of last year. The baths will be in readiness, thoroughly repaired and equipped to go into service at any time the condition of the weather will permit.

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, April 5, 1892.

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

DEAR SIR—I have the honor to submit herewith the following report of the business of this Bureau for the quarter ending March 31, 1892 (months of January, February and March):

1,029 complaints of obstructions received and attended to.

1,215 seizures and removals of obstructions made.

1,263 building permits issued.

270 miscellaneous permits issued.

1 permit issued to cut down shade trees.

11 notices to repair defective vault covers.

Expense of seizing 1,215 articles, including 145 loads of dirt, stone, refuse, etc., and throwing in dirt, etc., on premises at various places; removing 174 dead and dangerous trees, stumps, posts, etc., also 429 telegraph poles, and about 461 miles of electric wire..... \$13,634 35

Total expenses for the quarter..... \$15,659 35

Received from owners for the redemption of seized articles..... \$915 75

Received from public sale of unredeemed articles February 8, 1892..... 579 60

Total..... \$1,495 35

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

Salary account—Appropriation..... \$7,800 00

Expended up to March 31, 1892..... 2,025 00

Balance..... \$5,775 00

Appropriation for the removal of obstructions in streets and avenues..... \$42,000 00

Expended up to March 31, 1892..... 13,634 35

Balance..... \$28,365 65

Respectfully,

MICHAEL F. CUMMINGS, Superintendent of Incumbrances.



**Document "M."**  
**REPORT OF THE WATER REGISTER.**

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

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

SIR—I herewith transmit statement of moneys received for water rents, penalties and taps for the quarter ending March 31, 1892:

|               | Principal.   | Penalties. | Taps.      |
|---------------|--------------|------------|------------|
| January.....  | \$90,632 65  | \$828 30   | \$337 50   |
| February..... | 102,971 27   | 453 75     | 660 00     |
| March.....    | 133,336 09   | 675 00     | 1,061 50   |
| Total.....    | \$326,940 01 | \$1,957 05 | \$2,059 00 |

Total..... \$330,956 06

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

|               |            |
|---------------|------------|
| January.....  | \$773 38   |
| February..... | 1,299 73   |
| March.....    | 1,540 48   |
| Total.....    | \$3,613 59 |

"Special Fund—Repairing Streets"—

|               |            |
|---------------|------------|
| January.....  | \$571 50   |
| February..... | 693 00     |
| March.....    | 986 00     |
| Total.....    | \$2,250 50 |

Respectfully submitted,  
JOSEPH RILEY, Water Register.

**OFFICIAL DIRECTORY.**

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

**EXECUTIVE DEPARTMENT.**

*Mayor's Office.*

No. 6 City Hall, 9 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M.  
HUGH J. GRANT, Mayor. WILLIS HOLLY, Secretary and Chief Clerk.

*Mayor's Marshal's Office.*

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

**COMMISSIONERS OF ACCOUNTS.**

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

**BOARD OF ARMORY COMMISSIONERS.**

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

**AQUEDUCT COMMISSIONERS.**

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

**COMMON COUNCIL.**

*Office of Clerk of Common Council.*

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

**DEPARTMENT OF PUBLIC WORKS**

No. 31 Chambers street, 9 A. M. to 4 P. M.  
THOMAS F. GILROY, Commissioner; MAURICE F. HOLAHAN, Deputy Commissioner (Room A).  
ROBERT H. CLIFFORD, Chief Engineer (Room 9); GEORGE W. BIRDSELL, Chief Engineer in Charge of Sewers (Room 5); HORACE LOMIS, Engineer in Charge of Repairs and Supplies (Room 15); WM. H. BURKE, Water Purveyor (Room 1); STEPHEN H. MCCORMICK, Superintendent of Lamps and Gas (Room 11); JOHN J. RYAN, Superintendent of Streets and Roads (Room 12); MICHAEL F. CUMMINGS, Superintendent of Incumbrances (Room 16).

**BOARD OF ASSESSORS.**

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

**DEPARTMENT OF STREET IMPROVEMENTS**

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

**FINANCE DEPARTMENT.**

*Comptroller's Office.*

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

*Auditing Bureau.*

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

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

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

*Bureau for the Collection of City Revenue and of Markets.*

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

*Bureau for the Collection of Taxes.*

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

*Bureau of the City Chamberlain.*

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

*Office of the City Paymaster.*

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

**LAW DEPARTMENT.**

*Office of the Counsel to the Corporation.*

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

*Office of the Public Administrator.*

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

*Office of Attorney for Collection of Arrears of Personal Taxes.*

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

*Office of the Corporation Attorney.*

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

**POLICE DEPARTMENT**

*Central Office.*

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

**DEPARTMENT OF CHARITIES AND CORRECTION.**

*Central Office.*

No. 66 Third Avenue, corner Eleventh street, 9 A. M. to 4 P. M.  
HENRY H. PORTER, President; CHAS. E. SIMMONS, M. D., and EDWARD C. SHEEHY, Commissioners; GEORGE F. BRITTON, Secretary.  
Purchasing Agent, FREDERICK A. CUSHMAN. Office hours, 9 A. M. to 4 P. M. Saturdays, 12 M.  
Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M. Saturdays, 12 M.  
CHARLES BENN, General Bookkeeper.  
Out-Door Poor Department. Office hours, 8:30 A. M. to 4:30 P. M. WILLIAM BLAKE, Superintendent. Entrance on Eleventh street.

**FIRE DEPARTMENT.**

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

*Headquarters.*

Nos. 157 and 159 East Fifty-seventh street.  
HENRY D. PURROY, President; S. HOWLAND ROBBINS and ANTHONY EICHKOFF, Commissioners; CARL JUSSEN, Secretary.

HUGH BONNER, Chief of Department; PETER SEERY, Inspector of Combustibles; JAMES MITCHELL, Fire Marshal; WM. L. FINDLEY, Attorney to Department; J. ELLIOT SMITH, Superintendent of Fire Alarm Telegraph.  
Central Office open at all hours.

**DEPARTMENT OF BUILDINGS.**

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

**HARLEM RIVER BRIDGE COMMISSION**

Washington Building, No. 1 Broadway.

**HEALTH DEPARTMENT**

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

**DEPARTMENT OF PUBLIC PARKS.**

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

**DEPARTMENT OF DOCKS.**

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

**DEPARTMENT OF TAXES AND ASSESSMENTS**

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

**DEPARTMENT OF STREET CLEANING.**

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

**CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.**

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

**BOARD OF ESTIMATE AND APPORTIONMENT**

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

**BOARD OF EXCISE.**

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

**SHERIFF'S OFFICE.**

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

**REGISTER'S OFFICE.**

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

**COMMISSIONER OF JURORS.**

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

**COUNTY CLERK'S OFFICE.**

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

**DISTRICT ATTORNEY'S OFFICE.**

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

**THE CITY RECORD OFFICE.**

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

**CORONERS' OFFICE.**

No. 27 Chambers street, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12:30 P. M.  
MICHAEL J. B. MESSEMER, FERDINAND LEVY, LOUIS W. SCHULTZE, JOHN B. SHEA, Coroners; EDWARD F. REYNOLDS, Clerk of the Board of Coroners.

**COURT OF SPECIAL SESSIONS.**

At Tombs, corner Franklin and Centre streets, daily at 10:30 A. M., excepting Saturday.  
JAMES P. KEATING, Clerk. Office, Tombs.

**COURT OF GENERAL SESSIONS**

No. 32 Chambers street. Court open at 11 o'clock A. M. adjourns 4 P. M.  
FREDERICK SMYTH, Recorder; RANDOLPH B. MARTINE, JAMES FITZGERALD and RUFUS B. COWING, Judges.  
JOHN F. CARROLL, Clerk. Office, Room No. 11, 10 A. M. till 4 P. M.

**OYER AND TERMINER COURT**

New County Court-house, second floor, southeast corner Room No. 12. Court opens at 10½ o'clock A. M.  
JOHN F. CARROLL, Clerk. Office, Brown-stone Building, City Hall Park, second floor, northwest corner, Room No. 11, 10 A. M. till 4 P. M.

**SUPERIOR COURT.**

Third floor, New County Court-house, opens 11 A. M., adjourns 4 P. M.  
General Term, Room No. 35.  
Special Term, Room No. 33.  
Equity Term, Room No. 30.  
Chambers, Room No. 33.  
Part I., Room No. 34.  
Part II., Room No. 35.  
Part III., Room No. 36.  
Naturalization Bureau, Room No. 31.  
Clerk's Office, Room No. 31, 9 A. M. to 4 P. M.  
JOHN SEDGWICK, Chief Judge; JOHN J. FREEDMAN, CHARLES H. TRUAX, P. HENRY DUGRO, DAVID MCADAM and HENRY A. GILDERSLEEVE, Judges; THOMAS BOESCH, Chief Clerk.

**BOARD OF EDUCATION.**

SEALED PROPOSALS WILL BE RECEIVED BY the Board of School Trustees for the Twenty-second Ward, at the Hall of the Board of Education, No. 146 Grand street, until 10 o'clock A. M., on Monday, July 25, 1892, for Removing Grammar School Building No. 9 from its present site to the lots on the northwest corner of Eighty-second street and the Boulevard.  
R. S. TREACY, Secretary.  
Board of School Trustees, Twenty-second Ward.  
Dated NEW YORK, July 19, 1892.

Plans and specifications may be seen, and blank proposals obtained, at the office of the Superintendent of School Buildings, No. 146 Grand street, third floor.  
The Trustees reserve the right to reject any or all of the proposals submitted.

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

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

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

**DEPARTMENT OF STREET CLEANING.**

**NOTICE.**

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

**POLICE DEPARTMENT.**

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

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

**DEPARTMENT OF TAXES AND ASSESSMENTS**

DEPARTMENT OF TAXES AND ASSESSMENTS,  
COMMISSIONERS' OFFICE,  
NEW YORK, July 5, 1892.

**PUBLIC NOTICE IS HEREBY GIVEN BY THE** Commissioners of Taxes and Assessments that the assessment rolls of real and personal estate in said city, for the year 1892, have been finally completed, and have been delivered to the Board of Aldermen of said city, and that such assessment rolls will remain open to public inspection, in the office of the Clerk of said Board of Aldermen, for a period of fifteen days from the date of this notice.

EDWARD P. BARKER,  
THOMAS L. FEITNER,  
EDWARD L. PARRIS,  
Commissioners of Taxes and Assessments.

**DEPARTMENT OF DOCKS.**

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

**TO CONTRACTORS.**

(No. 416.)

**PROPOSALS FOR ESTIMATES FOR REPAIRING THE CRIB-BULKHEAD BETWEEN WEST TENTH AND CHARLES STREETS, NORTH RIVER, AND FOR PAVING A PORTION OF WEST STREET IN THE REAR OF SAID CRIB-BULKHEAD.**

**ESTIMATES FOR REPAIRING THE CRIB-BULKHEAD** between West Tenth and Charles streets, North river, and for paving a portion of West street, in rear of said crib-bulkhead, will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, JULY 28, 1892.

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 Dollars.

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

1. New Cribwork complete, including all Timbers and Ironwork, Packing-logs, Earth and Stone Filling, Fenders, 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..... 42,000 cubic feet.
2. White Pine, Yellow Pine, Cypress or Spruce Piles..... 113 (It is expected that these piles will have to be about 70 feet long to meet the requirements of the specifications for driving.)
3. White Oak Fender Piles, about 50 feet long.... 1
4. Cast-iron Pile-shoes, about..... 3,729 pounds.
5. Round Logs furnished to the contractor (not estimated in the crib-work), about..... 4,000 lin. ft.
6. Cast-iron Cleats, about..... 1,350 pounds.
7. 1½" Wrought-iron Screw-bolts, Nuts and Washers, about..... 60 "
8. Labor of excavating Old Cribwork and disposal of Material, about..... 1,633 cu. yds.
9. Labor and Material for Back-filling, about..... 300 "
10. Labor of Framing and Carpentry, including all moving of Timber, Jointing, Planing, Bolting, Spiking, etc., as set forth in the specifications.
11. Sand or Cow Bay Gravel, about.... 225 cu. yds.
12. Paving to be laid, about..... 901 sq. yds.
- NOTE.—The paving-blocks therefore are to be furnished by the contractor.
13. Labor of all kinds, including removal of existing earth, etc., all grading, spreading, leveling, ramming of earth, paving sand or gravel and paving-blocks, moving of paving-blocks, etc., as set forth in the specifications, and shown on plan herein referred to.

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 on or about the 1st day of August, 1892, and all the work contracted for is to be fully completed on or before the 15th day of October, 1892, 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 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 conform-



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

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

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

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

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

J. SERGEANT CRAM,  
EDWIN A. POST,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.  
Dated New York, July 16, 1892.

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

#### TO CONTRACTORS.

(No. 423.)

PROPOSALS FOR ESTIMATES FOR DREDGING FROM PIER NEW 57, TO PIER NEW 62, AND FROM WEST SEVENTY-FIFTH STREET TO WEST SEVENTY-NINTH STREET, ON THE NORTH RIVER, AND AT SLIP BETWEEN PIERS, OLD 18 AND OLD 19, ON THE EAST RIVER.

ESTIMATES FOR DREDGING AT THE above-named places on the North and East rivers will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North River, in the City of New York, until 1 o'clock P. M. of

THURSDAY, JULY 21, 1892.

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

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

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

| ON THE NORTH RIVER. |                     |
|---------------------|---------------------|
| Pier, new 57.....   | 29,000 cubic yards. |
| Pier, new 58.....   | 35,500 "            |
| Pier, new 59.....   | 44,000 "            |
| Pier, new 60.....   | 51,000 "            |
| Pier, new 61.....   | 54,500 "            |
| Pier, new 62.....   | 53,450 "            |

|  |                     |
|--|---------------------|
| Pier, new 63 (south side).....   | 28,500 cubic yards. |
| Bulkhead foot West Seventy-fifth street.....                               | 1,000 "             |
| Bulkhead between West Seventy-fifth and West Seventy-sixth streets.....    | 2,500 "             |
| Bulkhead foot West Seventy-sixth street.....                               | 1,800 "             |
| Bulkhead between West Seventy-sixth and West Seventy-seventh streets.....  | 5,000 "             |
| Bulkhead foot West Seventy-seventh street.....                             | 1,300 "             |
| Bulkhead between West Seventy-seventh and West Seventy-eighth streets..... | 3,350 "             |
| Bulkhead foot West Seventy-eighth street.....                              | 1,100 "             |
| Bulkhead between West Seventy-eighth and West Seventy-ninth streets.....   | 7,500 "             |
| Pier foot West Seventy-ninth street (south side).....                      | 2,500 "             |
| ON THE EAST RIVER.   |                     |
| Pier, old 18 (east side).....  | 6,000 "             |
| Pier, old 19 (west side).....  | 6,000 "             |
| Bulkhead between Piers, old 18 and old 19.....                             | 1,000 "             |
| Total.....   | 335,000 "           |

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 locations 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 this 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 first day of October, 1892, 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, 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 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 or persons making the estimate, they will, upon its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation of the City of New York any difference between the sum to which said person or persons would be entitled upon its completion and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work to be done, by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered will be subject to approval by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

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

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

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

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

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

J. SERGEANT CRAM,  
EDWIN A. POST,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.

Dated New York, July 9, 1892.

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

#### TO CONTRACTORS.

(No. 422.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND BUILDING A NEW DUMPING-BOARD ON PIER 61, NEAR THE FOOT OF RIVINGTON STREET, EAST RIVER.

ESTIMATES FOR PREPARING FOR AND building a new Dumping-board on Pier 61, near the foot of Rivington street, 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 1 o'clock P. M. of

THURSDAY, JULY 21, 1892.

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 Two Thousand Dollars.

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

|                                       | Feet, B. M., measured in the work. |
|---------------------------------------|------------------------------------|
| 1. Yellow Pine Timber, 10" x 12"..... | 195                                |
| " " " 10" x 12".....                  | 16,033                             |
| " " " 10" x 10".....                  | 25,145                             |
| " " " 6" x 12".....                   | 2,488                              |
| " " " 6" x 6".....                    | 585                                |
| " " " 5" x 12".....                   | 390                                |
| " " " 5" x 10".....                   | 275                                |
| " " " 4" x 12".....                   | 5,830                              |
| " " " 4" x 10".....                   | 20,412                             |
| " " " 4" x 6".....                    | 1,031                              |
| " " " 2" x 5".....                    | 383                                |
| Total.....                            | 78,767                             |

|   | Feet, B. M., measured in the work. |
|---|------------------------------------|
| 2. Spruce, 3" x 10".....                        | 7,090                              |
| 3. Spruce or Yellow Pine Boards, 1", about..... | 3,533                              |

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

4.  $\frac{7}{8}$ " x 22",  $\frac{7}{8}$ " x 20",  $\frac{3}{4}$ " x 20",  $\frac{3}{4}$ " x 18",  $\frac{3}{4}$ " x 16",  $\frac{3}{4}$ " x 12",  $\frac{1}{2}$ " x 10",  $\frac{1}{2}$ " x 8" and  $\frac{1}{2}$ " x 6" square Wrought-iron Dock-spikes and 40d.

and 10d. Nails, about..... 4,841 pounds.

5. 1" and  $\frac{3}{4}$ " Wrought-iron Screw-bolts and Nuts, about..... 2,060 "

6. Wrought-iron Strips, about..... 2,713 "

7. Cast-iron Washers for 1" and  $\frac{3}{4}$ " Screw-bolts, about..... 870 "

8. Labor of Framing and Carpentry, including all moving of Timber, Joining, Planing, Bolting, Spiking, Painting, Oiling or Tarring, and furnishing the materials for Painting, Oiling or Tarring, and labor of every description for an area of about 7,168 square feet of Dumping-boards and Ramps.

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:

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 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 and the plans therein referred to. No extra compensation, beyond the amount payable for the work before mentioned, which shall be actually performed, at the price therefor, to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under the contract is to be commenced within five days after the date of the contract, or within five days from the receipt of a notice from the Engineer-in-Chief of the Department of Docks that the work may be begun, and all the work to be done under this contract is to be fully completed on or before the 17th day of September, 1892, or within as many days thereafter as may elapse after the date of the contract before a notice is given to the contractor by the Engineer that the work may be begun, 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.

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

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

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

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

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

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

J. SERGEANT CRAM,  
EDWIN A. POST,  
JAMES J. PHELAN,  
Commissioners of the Department of Docks.  
Dated New York, July 9, 1892.

#### NEW AQUEDUCT.

#### NOTICE OF APPLICATION FOR APPRAISAL.

PUBLIC NOTICE IS HEREBY GIVEN THAT it is the intention of the Counsel to the Corporation of the City of New York to make application to the Supreme Court for the appointment of Commissioners of Appraisal under chapter 490 of the Laws of 1883 and the laws amendatory thereof.

Such application will be made at a Special Term of the Supreme Court, to be held in the Second Judicial District, at the Court-house in White Plains, Westchester County, New York, on the 23d day of July, 1892, at 11 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard. The object of such application is to obtain an order of the Court appointing three disinterested and competent freeholders, one of whom shall reside in the County of New York, and the other two of whom shall reside in the county in which the real estate hereinafter described is situated, as Commissioners of Appraisal, to ascertain and appraise the compensation to be made to the owners and all persons interested in the real estate hereinafter described, as proposed to be taken or affected for the purposes indicated in chapter 490 of the Laws of 1883 and the laws amendatory thereof. The real estate sought to be taken or affected as aforesaid is located in the town of North Salem, County of Westchester, and is laid out and indicated on a certain map, entitled:

Map of additional lands required for the construction of Reservoir M, which said map was filed in Westchester County Register's office, at White Plains, in said County, on November 9, 1891, as Map No. 1003.

The real estate proposed to be taken or affected is required for the construction and maintenance of the dam and reservoir known as Reservoir M or Titicus Reservoir, and the following is a statement of the boundaries of said dam and reservoir and of the real estate to be acquired therefor under this proceeding:

All those certain pieces or parcels of land in the town of North Salem, County of Westchester and State of New York, which taken together constitute a tract of land particularly described and shown on said map, and described as follows:

Beginning at the northwest corner of parcel number nineteen on said map; from thence running south 88 degrees 35 minutes, east 1,029 13-100 feet; south 86 degrees 5 minutes, east 541 10-100 feet; south 82 degrees 36 minutes, east 1,544 36-100 feet; south 58 degrees 6 minutes, east 1,862 60-100 feet; north 21 degrees, east 423 47-100 feet; north 40 degrees 37 minutes 30 seconds, east 196 95-100 feet; south 46 degrees 32 minutes, east 922 24-100 feet; south 77 degrees 41 minutes, east 561 93-100 feet; south 44 degrees, east 462 36-100 feet; south 13 degrees 13 minutes, west 435 42-100 feet; south 61 degrees 29 minutes, east 263 15-100 feet; south 82 degrees 35 minutes, east 55 3-10 feet; north 63 degrees 9 minutes, east 326 1-10 feet; south 59 degrees 15 minutes, east 1,032 90-100 feet; north 64 degrees 14 minutes, east 349 18-100 feet; south 39 degrees 15 minutes, east 505 1-10 feet; south 24 degrees, west 710 15-100 feet; south 11 degrees 41 minutes, west 157 99-100 feet; south 69 degrees 41 minutes, east 193 75-100 feet; south 75 degrees 51 minutes, east 122 5-10 feet; south 81 degrees 44 minutes, east 357 7-10 feet; south 82 degrees 59 minutes, east 132 28-100 feet; south 82 degrees 53 minutes, east 330 8-100 feet; south 15 degrees, east 7 minutes, west 280 52-100 feet; south 52 degrees, east 513 11-100 feet; south 40 degrees 43 minutes, west 73 5-10 feet; north 74 degrees 32 minutes, west 191 24-100 feet; south 40 degrees 10 minutes, west 597 90-100 feet; south 43 degrees 35 minutes, east 457 79-100 feet; south 67 degrees 47 minutes, west 239 58-100 feet; south 1 degree 12 minutes 30 seconds, west 819 29-100 feet; south 84 degrees 37 minutes, west 902 27-100 feet; north 4 de-



grees 5 minutes, east 566 58-100 feet; north 1 degree 7 minutes, east 1,538 99-100 feet; north 73 degrees 34 minutes, west 704 50-100 feet; north 49 degrees 31 minutes, west 833 50-100 feet; north 72 degrees 15 minutes, west 955 feet; north 51 degrees 6 minutes, west 330 2-100 feet; south 63 degrees 40 minutes 30 seconds, west 1,354 feet; north 64 degrees 21 minutes 30 seconds, west 1,119 20-100 feet; north 48 degrees 49 minutes, west 702 feet; north 71 degrees 10 minutes, west 601 70-100 feet; south 27 degrees 51 minutes, west 2,054 40-100 feet; north 57 degrees 35 minutes, west 402 feet; north 5 degrees 2 minutes 30 seconds, west 307 66-100 feet; north 85 degrees 13 minutes, west 29 feet; north 10 degrees 9 minutes, east 78 3-10 feet; north 11 degrees 41 minutes, east 139 6-10 feet; north 10 degrees 52 minutes 30 seconds, west 133 5-10 feet; north 8 degrees 47 minutes, west 184 feet; north 46 degrees 54 minutes 30 seconds, west 1,010 8-10 feet; south 35 degrees 9 minutes, west 370 feet; north 4 degrees 11 minutes, east 1,507 40-100 feet; north 85 degrees 26 minutes 30 seconds, west 465 13-100 feet; north 4 degrees 13 minutes, east 330 75-100 feet; north 3 degrees 44 minutes, east 633 80-100 feet; north 6 degrees 5 minutes, east 313 26-100 feet; north 4 degrees 32 minutes, east 226 24-100 feet; north 4 degrees 46 minutes 31 seconds, east 100 3-10 feet; north 5 degrees 3 minutes, east 135 27-100 feet, to the point and place of beginning.

All of said lands are to be acquired in fee, and include all of the parcels shown on said map Number 1003.

Reference is hereby made to said map for a more detailed and particular description of the premises to be acquired.

Public notice is also given that in the construction of the said dam and reservoir, known as Reservoir M, it has been and will be necessary to change the highway system through the lands acquired and to be acquired, and that on June 2, 1892, a map was filed in the Westchester County Register's office, at White Plains in said County, entitled "Map of lands in the Town of North Salem acquired by the City of New York, under chapter 490 of the Laws of 1883 in the construction of Reservoir M, said map being numbered in said Register's office by the Number 1016. That said map shows the portion of the real estate heretofore acquired by the City of New York for the construction of said reservoir which it is proposed to substitute in place of the real estate heretofore used for highway purposes, and said map further shows the portions of the old roads to be used and raised, and shows where new roads are to be constructed through the same parcels heretofore acquired by the City, and designated as parcels 1-16, both inclusive; and public notice is further given that on June 2, 1892, a map was filed in the Westchester County Register's office, entitled: "Map of lands in the Town of North Salem to be acquired by the City of New York, under chapter 490 of the Laws of 1883, in the construction of Reservoir M, said map being designated by Number 1017; that said map shows the portions of the real estate to be acquired, and which it is proposed to substitute in place of the real estate heretofore used for highway purposes, and said map further shows the portions of the old roads to be used and raised, and shows where new roads are to be constructed through the parcels to be acquired and designated on said map as parcels 17-38, both inclusive, and further notice is given that an application will be made to the Supreme Court at the above mentioned time and place for an order approving the highway system or substituted highway, as shown on the maps above referred to.

Dated New York City, June 3, 1892.  
WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row,  
New York City

## DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, July 12, 1892.

## NOTICE OF SALE AT PUBLIC AUCTION.

ON MONDAY, AUGUST 1, 1892, THE DEPARTMENT of Public Works will sell at public auction, by Messrs. Van Tassel & Kearney, auctioneers, at the Corporation Yards, One Hundred and Nineteenth street and St. Nicholas avenue, foot of East Sixteenth street and foot of Rivington street—sale to commence at the One Hundred and Nineteenth Street Yard at 10.30 A. M.—the following articles, viz.: TRUCKS, WAGONS, CARTS, STANDS, BOOTHS, BOOTBLACK-STANDS, TELEGRAPH POLES, ELECTRIC WIRE, ETC.

### TERMS OF SALE.

Cash payments in bankable funds at the time and place of sale, and the immediate removal by the purchaser of the articles purchased, otherwise the articles will be resold and all moneys paid therefor forfeited.

THOS. F. GILROY,  
Commissioner of Public Works

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
Room 6, No. 31 CHAMBERS ST.,  
NEW YORK, July 8, 1892.

## TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 12 o'clock M. on Thursday, July 21, 1892, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR REGULATING AND PAVING WITH GRANITE-BLOCK PAVEMENT, WITH CONCRETE FOUNDATION (WITH GRANITE BLOCKS TO BE FURNISHED BY THE DEPARTMENT OF PUBLIC WORKS), THE CARRIAGEWAY OF ELM STREET, from Grand to Broome street.

No. 2. FOR FLAGGING EIGHT FEET WIDE AND REFLAGGING, CURBING AND RECURRING THE SIDEWALKS ON THE NORTH SIDE OF THIRTY-FIFTH STREET, FROM ELEVENTH AVENUE TO NORTH OR HUDSON RIVER.

No. 3. FOR FLAGGING AND REFLAGGING, CURBING AND RECURRING THE SIDEWALKS ON THE SOUTH SIDE OF ONE HUNDRED AND FOURTH STREET, from Madison to Fifth avenue.

No. 4. FOR FLAGGING AND REFLAGGING, CURBING AND RECURRING THE SIDEWALKS ON ONE HUNDRED AND TENTH STREET, from First to Second avenue.

No. 5. FOR REGULATING AND GRADING ONE HUNDRED AND SIXTIETH STREET, from Eleventh avenue to Kingsbridge road, 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 to and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Rooms 1 and 5, No. 31 Chambers street.

THOS. F. GILROY,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, August 14, 1892.

## TO OWNERS OF LANDS ORIGINALLY ACQUIRED BY WATER GRANTS.

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

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

The Commissioner of Public Works desires to give the following explanation of the operation of this act:

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

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

THOS. F. GILROY,  
Commissioner of Public Works

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF WATER REGISTERS,  
No. 31 CHAMBERS STREET, ROOM 2,  
NEW YORK, May 1, 1892.

## CROTON WATER RATES.

NOTICE IS HEREBY GIVEN THAT THE annual Water Rates for 1892 are now due and payable at this office.

THOMAS F. GILROY,  
Commissioner of Public Works.

## CORPORATION NOTICE.

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

List 3869, No. 1. Alteration and improvement to sewer in Thirty-fourth street, between Eleventh and Twelfth avenues, and new sewer in Twelfth avenue, between Thirty-fourth and Thirty-fifth streets.

List 3883, No. 2. Paving One Hundred and Forty-fifth street, from Third to St. Ann's avenue, with trap blocks and laying crosswalks.

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

No. 1. Both sides of Thirty-fourth street, from a point distant about 300 feet easterly from Tenth avenue to Twelfth avenue; both sides of Thirty-fifth street, from Tenth to Eleventh avenues; both sides of Tenth and Eleventh avenues, and east side of Twelfth avenue, from Thirty-fourth to Thirty-fifth street, and east side of Eleventh avenue, from Thirty-fifth to Thirty-sixth street.

No. 2. Both sides of One Hundred and Forty-fifth street, from Third to St. Ann's avenue and to the extent of half the block at the intersecting avenues.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their 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 15th day of August, 1892.

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

OFFICE OF THE BOARD OF ASSESSORS,  
No. 27 CHAMBERS STREET,  
NEW YORK, July 15, 1892.

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 3895, No. 1. Sewers in South street, between Roosevelt street and Pike slip, with outlet through Pike slip, new 29, East river, and alteration and improvement to sewers in James slip, Oliver street, Catharine street and Market slip.

List 3866, No. 2. Alteration and improvement to receiving-basin on the northeast corner of Fourteenth street and Avenue C.

List 3867, No. 3. Alteration and improvement to receiving-basin on the northwest corner of Fourteenth street and Avenue C.

List 3872, No. 4. Fencing the vacant lots between Nos. 108 and 140 West One Hundred and Third street.

List 3871, No. 5. Sewer in One Hundred and Twenty-first street, between Harlem river and Pleasant avenue.

List 3873, No. 6. Fencing the vacant lots on Ninety-fifth and Ninety-sixth streets, between Lexington and Park avenues.

List 3874, No. 7. Fencing the vacant lots on east side of Park avenue, between One Hundred and First and One Hundred and Second streets.

List 3875, No. 8. Fencing the vacant lots on east side of Park avenue, from Ninety-fifth to Ninety-sixth street.

List 3876, No. 9. Fencing the vacant lots on east side of Park avenue, between Ninety-sixth and Ninety-seventh streets.

List 3877, No. 10. Fencing the vacant lots on both sides of Ninety-seventh street, from Lexington to Park avenue.

List 3878, No. 11. Flagging and reflagging north side of One Hundred and Second street, from Columbus to Amsterdam avenue.

List 3879, No. 12. Flagging and reflagging, curbing and receding, both sides of Madison avenue, from One Hundred and Thirtieth to One Hundred and Thirty-second street.

List 3880, No. 13. Flagging and reflagging and receding south side of One Hundred and Thirty-second street, from Lenox to Seventh avenue.

List 3886, No. 14. Sewer and appurtenances in One Hundred and Fifty-third street, between Morris avenue and Cortlandt avenue.

The limits embraced by such assessments include all the several houses and lots of grounds, vacant lots, pieces or parcels of land situated on—  
No. 1. Blocks included within the following area: On the north by Canal street, on the south by the East river, on the east by Pike street and on the south by Roosevelt and Mott streets.

No. 2. Commencing at the northeast corner of Fourteenth street and Avenue C, and extending easterly along the northerly side of Fourteenth street about 338 feet, and on the east side of Avenue C, extending northerly from Fourteenth street about 110 feet.

No. 3. North side of Fourteenth street, from Avenue B to Avenue C, and west side of Avenue C, extending northerly from Fourteenth street about 110 feet.

No. 4. Block 1029, Ward Nos. 41 and 43, in the Twelfth Ward.

No. 5. Both sides of One Hundred and Twenty-first street, from Pleasant avenue to Harlem river.

No. 6. Block 385, Ward Nos. 1 and 69, in the Twelfth Ward.

No. 7. Block 392, Ward No. 72½, in the Twelfth Ward.

No. 8. East side of Fourth avenue, from Ninety-fifth to Ninety-sixth street.

No. 9. East side of Park avenue, extending southerly from Ninety-seventh street about 125 feet.

No. 10. Both sides of Ninety-seventh street, from Lexington to Park avenue.

No. 11. North side of One Hundred and Second street, between Columbus and Amsterdam avenues, on Block 1029, Ward Nos. 1 and 20 to 28 inclusive.

No. 12. Both sides of Madison avenue, from One Hundred and Thirtieth to One Hundred and Thirty-second street.

No. 13. South side of One Hundred and Thirty-second street, between Lenox and Seventh avenues, on Block 718, Ward Nos. 40, 41 and 42, and 59, 60 and 61.

No. 14. Both sides of One Hundred and Fifty-third street, from Morris to Cortlandt avenue.

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

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 10th day of August, 1892.

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

OFFICE OF THE BOARD OF ASSESSORS,  
No. 27 CHAMBERS STREET,  
NEW YORK, July 9, 1892.

## DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, July 14, 1892.

## TO CONTRACTORS.

MATERIALS AND WORK REQUIRED FOR RECONSTRUCTION OF PORTIONS OF BUILDING, PLUMBING, VENTILATION, ETC., OF FIFTY-SEVENTH STREET PRISON.

(No. 14.)

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans, will be received at the office of the Department of Public Charities and Correction, No. 66 Third avenue, in the City of New York, until Thursday, July 28, 1892, until 10 o'clock A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Reconstruction of Fifty-seventh Street Prison," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

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

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

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

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract, by his or their bond, with two sufficient sureties, each in the penal amount of **THREE THOUSAND (\$3,000) DOLLARS.**

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

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

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

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

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, July 12, 1892.

THE UNDERSIGNED WILL SELL AT PUBLIC Auction, by order of the Commissioners of Public Charities and Correction, at their office, No. 66 Third avenue, on Monday, July 25, 1892, at 11 o'clock A. M., the following, viz.:

### COAL TAR,

for account of T. New Manufacturing Company, the former purchaser.

The Coal Tar now on hand and to be produced by the Department during the remainder of the year 1892, estimated at 175 barrels, more or less, barrels for the reception of the tar to be supplied by the purchaser, and the tar to be removed from the Pier foot of East Twenty-sixth street, by the purchaser, immediately on being notified that same is ready for delivery. Twenty-five per cent. of estimated value to be paid on day of sale, and the remainder on delivery.

The Coal Tar can be examined at Blackwell's Island by intending bidders on any week day before the day of sale.

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

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, July 12, 1892.

THE UNDERSIGNED WILL SELL AT PUBLIC Auction, by order of the Commissioners of Public Charities and Correction, at their office, No. 66 Third avenue, on Monday, July 25, 1892, at 11 o'clock A. M., the following, viz.:

### OLD IRON,

for account of Andrew Watson, a former purchaser—79,793 pounds Old Iron, to be received at the pier foot of East Twenty-sixth street, without any delay, as same is ready for delivery. The iron can be examined any week day before the sale at the Store-house Pier, Blackwell's Island.

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

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

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, July 14, 1892.

IN ACCORDANCE WITH AN ORDINANCE of the Common Council, "In relation to the burial of strangers or unknown persons who may die in any of the public institutions of the City of New York," the Com-



missioners of Public Charities and Correction report as follows:

At City Hospital, Blackwell's Island—Christian Kuntz, aged 52 years; 5 feet 7 inches high; brown hair, beard and moustache, gray eyes. Had on when admitted blue coat, gray vest, blue striped pants, colored shirt, white drawers, shoes and hat.

At New York City Asylum for Insane, Blackwell's Island—Margaret Hannigan, aged 38 years; 5 feet 3/4 inch high. Had on when admitted black dress and shawl.

Nothing known of their friends or relatives.

By order,

G. F. BRITTON, Secretary.

## HEALTH DEPARTMENT.

HEALTH DEPARTMENT—CITY OF NEW YORK,  
No. 301 MOTT STREET,  
NEW YORK, July 13, 1892.

### PROPOSALS FOR ESTIMATES FOR THE ERECTION OF TWO FRAME PAVILIONS ON NORTH BROTHER ISLAND.

PROPOSALS FOR ESTIMATES FOR THE erection of two frame pavilions on North Brother Island, City and County of New York, will be received by the Commissioners of the Health Department, at their office, No. 301 Mott street, until 2:30 o'clock P. M., of the 26th day of July, 1892, at which time and place they will be publicly opened and read by said Commissioners.

Any person making an estimate for the above work shall furnish the same in a sealed envelope to the head of said Health Department, indorsed "Estimate for the Erection of two Frame Pavilions on North Brother Island, City and County of New York," and also with the name of the person or persons presenting the same and the date of its presentation.

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each in the penal sum of \$5,000.

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 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 Health Department 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 re-advertised and relet, and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence, the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also, that the estimate is made without any 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 Health Department 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 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 is to be approved by the Comptroller of the City of New York after the award is made and prior to the signing of the contract.

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

The Department 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 form for bids or estimates obtained, by application to the Secretary of the Board, at his office, No. 301 Mott street, New York.

CHARLES G. WILSON,  
JOSEPH D. BRYANT, M. D.,  
WILLIAM T. JENKINS, M. D.,  
JAMES J. MARTIN,  
Commissioners.

### CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARD,  
COOPER UNION,  
NEW YORK, July 14, 1892.

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

July 21. DEPUTY TAX COMMISSIONER.  
July 22. ENGINEER.  
July 22. MATRON, Charities and Correction.

Yours, respectfully,  
LEE PHILLIPS,  
Secretary and Executive Officer.

### FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT,  
Nos. 157 and 159 EAST SIXTY-SEVENTH STREET,  
NEW YORK, July 18, 1892.

NOTICE: THE FOLLOWING IS HEREBY substituted for the advertisement of a sale at public auction under date of July 13, 1892. The articles specified below will be offered for sale at public auction by Van Tassel & Kearney, Auctioneers, on Friday, the 22d instant, as follows:

At Nos. 157 and 159 East Sixty-seventh Street, at 10 o'clock A. M.

Lot No. 1. One tank, second size Steam Fire engine, Amoskeag Manufacturing Co. registered No. 148.  
Lot No. 2. One tank, second size Steam Fire engine, Amoskeag Manufacturing Co. registered No. 166.  
Lot No. 3. One Water Tower registered No. 17.  
Lot No. 4. One second size Roller-frame Hook and Ladder Truck registered No. 8.  
Lot No. 5. One second size Roller-frame Hook and Ladder Truck registered No. 13.  
Lot No. 6. One third size Goose-neck Frame Hook and Ladder Truck registered No. 35.  
Lot No. 7. One Buggy.  
Lot No. 8. One Buggy.  
Lot No. 9. One Buggy.  
Lot No. 10. One Black Walnut Counter.

At Nos. 130 and 132 West Third Street, at 12 o'clock M.  
Lot No. 11. Two Express Wagons.  
Lot No. 12. One Wagon Truck.  
Lot No. 13. Old Brass, to be sold by the pound.

At No. 20 Bowditch Street, at 1 o'clock P. M.  
Lot No. 14. 200 pieces of Cotton Hose, without couplings.

Lot No. 15. 175 pieces of Rubber Hose, without couplings.  
Lot No. 16. 32 pieces of Cotton Hose, with couplings.  
Lot No. 17. 40 pieces of Rubber Hose, with couplings.  
Lot No. 18. Small Rubber Hose.  
Lot No. 19. 23 Suctions, without couplings.  
Lot No. 20. 21 Hydrant Connections, without couplings.  
Lot No. 21. Leather Pipes, with couplings.  
Lot No. 22. Two 42-foot Ladders.  
Lot No. 23. Five 35-foot Ladders.  
Lot No. 24. Four 30-foot Ladders.  
Lot No. 25. Two 25-foot Ladders.  
Lot No. 26. Two 20-foot Ladders.  
Lot No. 27. Two 15-foot Ladders.  
Lot No. 28. One 6-foot Ladder.  
Lot No. 29. Seven Battering Rams.  
Lot No. 30. Old Hinges.  
Lot No. 31. One Hard Pump.  
Lot No. 32. Four Hay Cutters.  
Lot No. 33. Old Rope.  
Lot No. 34. Scrap Paper.  
Lot No. 35. Nine Oil Barrels.  
Lot No. 36. Scrap Iron, to be sold by the pound.  
Lot No. 37. Old Tires.  
Lot No. 38. Two Double Blocks.  
Lot No. 39. Inside Shutters.  
Lot No. 40. Eight Carboys, with jackets.  
Lot No. 41. One Carboy, without jacket.  
Lot No. 42. Iron Bedsteads.  
Lot No. 43. Five Black Walnut Bedsteads.  
Lot No. 44. Seven Desks.  
Lot No. 45. Three parts of Desks.  
Lot No. 46. Desk Drawers.  
Lot No. 47. Seven Table Desks.  
Lot No. 48. One Round Table.  
Lot No. 49. Wooden Chairs.  
Lot No. 50. Two Revolving Chairs.  
Lot No. 51. Two Arm Chairs.  
Lot No. 52. Pillows and Ledges.  
Lot No. 53. Two Rubber Door-mats.  
Lot No. 54. Carpet Remnants.

Each of the lots will be sold separately.  
The right to reject all bids is reserved.  
The highest bidder for each lot, in case the bid is accepted, will be required to pay for the same in cash at the time of sale.

All of the articles sold must be removed within five days after the day of sale.  
The articles may be seen before the day of sale at any time at the places above specified.

HENRY D. PURROV,  
S. HOWLAND ROBBINS,  
ANTHONY EICKHOFF,  
Fire Commissioners.

### SUPREME COURT.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York to certain lands on the northerly side of SEVENTH STREET, between Columbus and Amsterdam avenues, in the Twenty-second Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof in the County Court house, in the City of New York, on the 13th day of August, 1892, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York to certain lands and premises, with the buildings thereon and the appurtenances thereto belonging, on the northerly side of Seventy-seventh street, between Columbus and Amsterdam avenues, in the Twenty-second Ward of the said city, in fee simple absolute, the same to be converted appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, said property having been duly selected and approved by the Board of Education as a site for school purposes under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely:

All that certain piece or parcel of land situate, lying and being in the Twenty-second Ward of the City of New York, bounded and described as follows: Beginning at a point on the northerly line of Seventy-seventh street, distant one hundred feet easterly from the northeasterly corner of Amsterdam avenue and Seventy-seventh street, and running thence easterly along the northerly side of Seventy-seventh street, fifty feet; thence northerly, parallel with Amsterdam avenue, one hundred and two feet two inches; thence westerly, parallel with Seventy-seventh street, fifty feet, and thence southerly, parallel with Amsterdam avenue, one hundred and two feet two inches to the point or place of beginning.

Dated NEW YORK, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northerly side of HESTER STREET, between Norfolk and Essex streets, in the Tenth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof in the County Court house, in the City of New York, on the 13th day of August, 1892, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York to certain lands and premises, with the buildings thereon and the appurtenances thereto belonging, on the northerly side of Hester street, between Norfolk and Essex streets, in the Tenth Ward of the said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, said property having been duly selected and approved by the Board of Education as a site for school purposes, under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely: All that certain piece or parcel of land situate, lying and being in the Tenth Ward of the City of New York, bounded and described as follows:

Beginning at a point on the northerly side of Hester street, distant fifty feet westerly from the northwesterly corner of Norfolk and Hester streets, and running thence westerly along the northerly side of Hester street, twenty-five feet; thence northerly and parallel with Norfolk street, seventy-five feet seven inches; thence westerly, parallel with Hester street, twenty-five feet, and thence southerly, parallel with Norfolk street, seventy-five feet seven inches to the point or place of beginning.

Dated NEW YORK, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, under and in pursuance of the provisions of chapter 330 of the Laws of 1887, as amended by chapter 485 of the Laws of 1890, relative to acquiring, by the Mayor, Aldermen and Commonalty of the City of New York, certain rights, interests, privileges and easements of, in and to certain lands on the northerly side of FOURTEENTH STREET, between Sixth and Seventh avenues in said city, title to which lands has been heretofore acquired by said Mayor, Aldermen and Commonalty of the City of New York, pursuant to the aforesaid acts of the Legislature, as part and parcel of a site for armory purposes.

PURSUANT TO THE PROVISIONS OF CHAPTER 330 of the Laws of 1887, as amended by chapter 485 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court to be held at Chambers thereof in the County Court house, in the City of New York, on the 13th day of August, 1892, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition by the Mayor, Aldermen and Commonalty of the City of New York of all the rights, interests, privileges and easements of every kind and nature whatsoever, of, in and to the lands and premises hereafter described, held, owned, possessed or enjoyed by any person or persons, parties or estates, arising, existing or growing out of a certain agreement or covenant bearing date the 24th day of May 1845, and recorded in the office of the Register of the City and County of New York on the 30th day of May, 1845, in Liber 43 of Conveyances, at page 170, made and entered into by and between John Toulne, the then owner of the lands herein-after described, and C. E. Cornell, James McCullough, the estate and heirs of A. M. Muir, deceased, and Samuel Longstreet, the then owners of certain other and adjacent lands on Fourteenth street, in and by which it was provided that the buildings thereafter to be erected on said lands should set back from the building line of Fourteenth street, and distant therefrom eight feet, said rights, interests, privileges and easements to be appropriated, converted and used to and for the purposes specified in said chapter 330 of the Laws of 1887, as amended by chapter 485 of the Laws of 1890, said lands having been duly selected by the Armory Board, and approved by the Commissioners of the Sinking Fund, and the title thereto having been acquired by said Mayor, Aldermen and Commonalty as part and parcel of a site for armory purposes in pursuance of the aforesaid acts of said Legislature.

The following is a description of the lands hereinbefore referred to: All those certain lots, piece or parcels of land situate, lying and being in said City of New York, and bounded and described as follows, viz.: Beginning at a point on the northerly side of Fourteenth street, distant three hundred feet westerly from the northwesterly corner of Sixth avenue and Fourteenth street, and running thence northerly and parallel with Sixth avenue, one hundred and three feet and three inches; thence westerly and parallel with Fourteenth street, one hundred feet; thence southerly and

again parallel with Sixth avenue, one hundred and three feet and three inches to the northerly side of Fourteenth street, and thence easterly along said northerly side of Fourteenth street, one hundred feet to the point or place of beginning.

Dated NEW YORK, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York to certain lands at KINGSBRIDGE, in the Twenty-fourth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court house in the City of New York, on the 13th day of August, 1892, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands and premises, with the buildings thereon and the appurtenances thereto belonging, at Kingsbridge, in the Twenty-fourth Ward of the said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, said property having been duly selected and approved by the Board of Education as a site for school purposes under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely:

All that certain piece or parcel of land situate, lying and being at Kingsbridge, in the Twenty-fourth Ward of the City of New York, bounded and described as follows: Beginning at the northwesterly corner of Church street and Webers lane, and running thence westerly along the northerly side of Webers lane, one hundred and fifty feet; thence northerly, parallel with Church street, two hundred feet; thence easterly, parallel with Webers lane, one hundred and fifty feet to the westerly side of Church street, and thence southerly along the westerly side of Church street, two hundred feet to the point or place of beginning.

Dated NEW YORK, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands on E. G. COMBE AVENUE, WEST ONE HUNDRED AND FORTY-THIRD STREET, and WEST ONE HUNDRED AND FORTY-FIRST STREETS, in the Twelfth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court house in the City of New York, on the thirteenth day of August, 1892, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York to certain lands and premises, with the buildings thereon and the appurtenances thereto belonging, on Edgecombe avenue, West One Hundred and Fortieth and West One Hundred and Forty-first streets, in the Twelfth Ward of the said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely: All that certain piece or parcel of land situate, lying and being in the Twelfth Ward of the City of New York, bounded and described as follows:

Beginning at the northeasterly corner of One Hundred and Fortieth street and Edgecombe avenue, and running thence northerly along the easterly side of Edgecombe avenue, one hundred and ninety-nine feet ten inches to the southeasterly corner of Edgecombe avenue and One Hundred and Forty-first street; thence easterly along the southerly side of One Hundred and Forty-first street, one hundred feet; thence southerly, parallel with Edgecombe avenue, ninety-nine feet eleven inches; thence easterly, parallel with One Hundred and Forty-first street, fifty feet; thence southerly, parallel with Edgecombe avenue, ninety-nine feet eleven inches to the northerly side of One Hundred and Fortieth street; and thence westerly along the northerly side of One Hundred and Fortieth street, one hundred and fifty feet to the point or place of beginning.

Dated NEW YORK, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northerly side of RIVINGTON STREET, between Lewis and Cannon streets, in the Eleventh Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

PURSUANT TO THE PROVISIONS OF CHAPTER 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers thereof, in the County Court house of the City of New York, on the 13th day of August, 1892, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate in the above entitled matter.

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands and premises with the buildings thereon, and the appurtenances thereto belonging, on the northerly side of Rivington street, between Lewis and Cannon streets, in the Eleventh Ward of the said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, said property having been duly selected and approved by the Board of Education as a



site for school purposes under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely: All that certain piece or parcel of land situate, lying and being in the Eleventh Ward of the City of New York, bounded and described as follows:

Beginning at a point on the northerly side of Rivington street, distant one hundred feet westerly from the northwesterly corner of Lewis and Rivington streets, and running thence westerly along the northerly side of Rivington street, fifty feet; thence northerly, parallel with Lewis street, eighty-nine feet; thence easterly, parallel with Rivington street, twenty-three feet; thence northerly, parallel with Lewis street, thirty-six feet; thence easterly, parallel with Rivington street, twenty-seven feet, and thence southerly, parallel with Lewis street, one hundred and twenty-five feet to the point or place of beginning.

Dated New York, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northerly side of THIRTY-FIFTH STREET, between Eighth and Ninth avenues, in the Twentieth Ward of said city, duly selected and approved by said Board as a site for school purposes, under and in pursuance of the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

**PURSUANT TO THE PROVISIONS OF CHAPTER 191 OF THE LAWS OF 1888, AS AMENDED BY CHAPTER 35 OF THE LAWS OF 1890, NOTICE IS HEREBY GIVEN THAT AN APPLICATION WILL BE MADE TO THE SUPREME COURT OF THE STATE OF NEW YORK, AT A SPECIAL TERM OF SAID COURT, TO BE HELD AT CHAMBERS THEREOF, IN THE COUNTY COURT-HOUSE, IN THE CITY OF NEW YORK, ON THE 13TH DAY OF AUGUST, 1892, AT THE OPENING OF THE COURT ON THAT DAY OR AS SOON THEREAFTER AS COUNSEL CAN BE HEARD THEREON, FOR THE APPOINTMENT OF COMMISSIONERS OF ESTIMATE IN THE ABOVE-ENTITLED MATTER.**

The nature and extent of the improvement hereby intended is the acquisition of title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands and premises, with the buildings thereon and the appurtenances thereto belonging, on the northerly side of Thirty-fifth street, between Eighth and Ninth avenues, in the Twentieth Ward of the said city, in fee simple absolute, the same to be converted, appropriated and used to and for the purposes specified in said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, said property having been duly selected and approved by the Board of Education as a site for school purposes, under and in pursuance of the provisions of said chapter 191 of the Laws of 1888, as amended by said chapter 35 of the Laws of 1890, being the following described lots, pieces or parcels of land, namely:

All that certain lot, piece or parcel of land situate, lying and being in the Twentieth Ward of the City of New York, bounded and described as follows:

Beginning at a point on the northerly side of Thirty-fifth street, distant one hundred and twenty-five feet one inch easterly from the northeasterly corner of Ninth avenue and Thirty-fifth street, and running thence easterly along the northerly side of Thirty-fifth street, twenty-four feet eleven inches; thence northerly, parallel with Ninth avenue, ninety-eight feet nine inches; thence westerly, parallel with Thirty-fifth street, twenty-four feet eleven inches, and thence southerly, parallel with Ninth avenue, ninety-eight feet nine inches to the point or place of beginning.

Dated New York, July 13, 1892.

WILLIAM H. CLARK,  
Counsel to the Corporation,  
No. 2 Tryon Row, New York City.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to WELCH STREET (although not yet named by proper authority), extending from the New York and Harlem Railroad to Webster avenue, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 24th day of November, 1891, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose, by and in consequence of opening a certain street herein designated as Welch street, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks and shown and filed in the office of the Secretary of State of the State of New York on the fifth day of January, 1877, on the 1st day of March, 1879, and on January 23, 1888, in the office of the Register of the City and County of New York on the fourth day of January, 1877, on the 2nd day of February, 1879, and on the 23rd day of January, 1888, and in the office of the Department of Public Parks on the 3d day of January, 1877, on the 21st day of February, 1879, and on January 23, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice, July 19, 1892.

Dated New York, July 19, 1892.

MICHAEL J. LANGAN,  
CHARLES F. WILDEY,  
JOHN COTTER,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to PELHAM AVENUE (although not yet named by proper authority), westerly to Webster avenue, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, were appointed by an order of the Supreme Court, bearing date the 24th day of November, 1891, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose, by and in consequence of opening a certain avenue, herein designated as Pelham avenue, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks, and filed in the office of the Secretary of State of the State of New York on the 5th day of January, 1877, on the 1st day of March, 1879, and on January 27, 1888; in the office of the Register of the City and County of New York on the 4th day of January, 1877, on the 28th day of February, 1879, and on the 23rd day of January, 1888, and in the office of the Department of Public Parks on the 3d day of January, 1877, on February 21, 1879, and on January 23, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said avenue, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at our office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice (July 19, 1892).

And we, the said Commissioners, will be in attendance at our said office on the 25th day of August, 1892, at 3:30 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 19, 1892.

MICHAEL J. LANGAN,  
CHARLES F. WILDEY,  
JOHN COTTER,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND SEVENTY-NINTH STREET (although not yet named by proper authority), extending from Tiebout avenue to Third avenue, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed, by an order of the Supreme Court, bearing date the 17th day of January, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose, by and in consequence of opening a certain street herein designated as East One Hundred and Seventy-ninth street, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks, and filed in the office of the Secretary of State of the State of New York on the 1st day of March, 1879, and on the 31st day of July, 1890, in the office of the Register of the City and County of New York on the 28th day of February, 1879, and the 30th day of July, 1890, and in the office of the Department of Public Parks on the 21st day of February, 1879, and on the 28th day of July, 1890, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 11th day of August, 1892, at 3:30 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 13, 1892.

THOMAS J. MILLER,  
THEODORE M. ROCHE,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to UNDERCLIFF AVENUE (although not yet named by proper authority), extending from the Twenty-third Ward line to Sedgwick avenue, in the Twenty-fourth Ward, etc.

**NOTICE IS HEREBY GIVEN, PURSUANT TO** the provisions of section 956, chapter 410, Laws of 1882, by the undersigned Commissioners of Estimate and Assessment, and all persons interested in these proceedings or in any lands affected thereby, and to any person or persons who may consider themselves aggrieved by our estimate and assessment.

First—That we did deposit with the Commissioner of Public Works, at his office, No. 31 Chambers street in the City of New York, for and during the space of forty days, an abstract of our estimate of assessment, accompanied by copies of the diagram prepared by us, which distinctly indicate, by separate numbers, the names of the owners of or the claimants to the respective tracts or parcels to be taken or assessed in these proceedings, and which also specify, in figures, with sufficient accuracy, the dimensions and bounds of each of said tracts or parcels. Whenever we have been unable to ascertain with sufficient certainty the name of any owner of any parcel of said land, we have indicated such parcel upon the diagram embracing it as belonging to unknown owners. We have also published a notice for thirty days in the CITY RECORD, beginning the 10th day of February, 1892, stating our intention to present our report for confirmation to the Supreme Court at the time and place therein specified, and that all persons interested in such proceeding or in any of the lands affected thereby having objections thereto shall file the same, in writing, with the undersigned Commissioners within thirty days after the first publication of said notice, and that we would hear such objections within the ten week days next after the expiration of said thirty days, in the manner prescribed by section 984 of chapter 410, Laws of 1882.

Second—That we have assessed for benefit in these proceedings on the several 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: Northerly by the southerly side of Sedgwick avenue, and by a line drawn at a right angle to the southerly side of Sedgwick avenue; from the intersection of said southerly line of Sedgwick avenue with the easterly line of Undercliff avenue to the centre of the block between Sedgwick avenue and Andrews avenue; easterly, by the centre line of the blocks between Andrews avenue, Aqueduct avenue and Undercliff avenue; southerly, by the boundary line between the Twenty-third and Twenty-fourth Wards; westerly, by Sedgwick avenue and the centre line of the blocks between Sedgwick avenue and Undercliff avenue; excepting from said area all the streets, avenues, and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882.

Third—That our abstract of estimate and assessment, together with the diagrams embracing the respective tracts or parcels of lands to be taken or assessed in these proceedings, may be inspected and examined at our office, Rooms 3 and 4, No. 51 Chambers street, in the City of New York.

Fourth—That we will hear any person or persons who may consider themselves aggrieved by such estimate and assessment in opposition to the same on the 27th day of July, 1892, at one o'clock in the afternoon of that day, at our said office.

Fifth—That it is our intention to present our report for confirmation to the Supreme Court at a Special Term thereof, to be held at Chambers thereof, at the County Court-house in the City of New York, on the 2d day of August, 1892, at the opening of the Court on that day, to which day the motion to confirm the same will be adjourned, and that then and there or as soon thereafter as counsel can be heard thereon a motion will be made that the said report be confirmed.

Dated New York, July 13, 1892.

JAMES F. C. BLACKHURST,  
WILMOT T. COX,  
WILLIAM H. BARKER,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to BOSION AVENUE (although not yet named by proper authority), extending from Sedgwick avenue to Bailey avenue, in the Twenty-fourth Ward.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed, by an order of the Supreme Court bearing date the 23rd day of October, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose, by and in consequence of opening a certain avenue herein designated as Boston avenue, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks and filed in the office of the Secretary of State of the State of New York, on the 4th day of February, 1890, in the office of the Register of the City and County of New York on the 3d day of February, 1890, and in the office of the Department of Public Parks on the 3d day of February, 1890, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement, filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said avenue, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 11th day of August, 1892, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant

or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of the Mayor, Aldermen and Commonalty of the City of New York.

Dated New York, July 13, 1892.

JOHN CONNELLY,  
SAMUEL W. MILBANK,  
Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Board of Education by the Counsel to the Corporation of the City of New York, relative to acquiring title by the Mayor, Aldermen and Commonalty of the City of New York, to certain lands on the northerly side of One Hundred and Fourth street, between Amsterdam (formerly Tenth) avenue and Columbus (formerly Ninth) avenue, in the Twelfth Ward of said city, duly selected and approved by said Board as a site for school purposes under and in pursuance of the provisions of chapter 91 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890.

**WE, THE UNDERSIGNED COMMISSIONERS** of Estimate in the above-entitled matter, appointed pursuant to the provisions of chapter 191 of the Laws of 1888, as amended by chapter 35 of the Laws of 1890, hereby give notice to the owner or owners, lessee or lessees, parties and persons, respectively, entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First—That a majority of said commissioners have completed their estimate of the loss and damage to the respective owners, lessees, parties and persons, interested in the lands or premises affected by this proceeding, or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Board of Education for the inspection of whomsoever it may concern.

Second—That all parties or persons whose rights may be affected by the said estimate, and who may object to the same or any part thereof, may, within ten days after the first publication of this notice, file their objections to such estimate in writing with us at our office, Room No. 904, on the ninth floor of No. 44 Pine street, in said city, as provided by section 4 of chapter 191 of the Laws of 1888, as amended by chapter 35, of the Laws of 1890, and that we, the said Commissioners, will hear parties so objecting at our said office on the 25th day of July, 1892, at 10:30 o'clock A. M., and upon such subsequent days as may be found necessary.

Third—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at Chambers in the County Court-house, in the City of New York, on the 29th day of July, 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 11, 1892.

WILLIAM T. GRAY,  
SAMUEL W. MILBANK,  
L. K. UNGRICH,  
Commissioners.

MALCOLM KERR, 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 Commonalty of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to FOREST AVENUE, extending from the southerly side of Home street to the northerly side of East One Hundred and Sixty-eighth street, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

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

First—That we have completed our supplemental or amended estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 51 Chambers street (Rooms 3 and 4), in said city, on or before the thirtieth day of July, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said thirtieth day of July, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 31st day of July, 1892.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which, taken together, are bounded and described as follows, viz.: Beginning at the point of intersection of the easterly side of Boston road and the centre line of the block between East One Hundred and sixty-eighth and East One Hundred and sixty-ninth streets; running thence easterly along the centre line of the blocks between East One Hundred and sixty-eighth and East One Hundred and sixty-ninth streets, to the centre line of the blocks between Tinton and Union avenues; thence southerly along said centre line of the blocks between Tinton and Union avenues, to the centre line of the blocks between Home and Georgest streets; thence westerly along the centre line of the blocks between Home and Georgest streets to the centre line of the blocks between Forest and Tinton avenues; thence southerly along the centre line of the blocks between Forest and Tinton avenues to the centre line of the blocks between George and East One Hundred and Sixty-fifth streets; thence westerly along the centre line of the blocks between George and East One Hundred and sixty-fifth streets to the centre line of the blocks between Forest and Jackson avenues; thence northerly along the centre line of the blocks between Forest and Jackson avenues to the centre line of the block between George and Home streets; thence westerly along the last-mentioned centre line to the centre line of Jackson avenue; thence northerly along the centre line of Jackson avenue to the easterly side of Boston road; thence northerly easterly along the easterly side of Boston road to the point or place of beginning, excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our supplemental or amended 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 seventeenth day of August, 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, July 5, 1892.

JAMES MITCHELL, Chairman,  
JOHN H. ROGAN,  
LEICESTER HOLME,  
Commissioners.

JOHN P. DUNN, Clerk.



In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to FORT INDEPENDENCE STREET (although not yet named by proper authority), extending from its junction with Boston avenue to Broadway, in the Twenty-fourth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 23d day of December, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street, herein designated as Fort Independence street, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks and filed in the office of the Secretary of State of New York on the 4th day of February, 1890, in the office of the Register of the City and County of New York on the 18th day of January, 1891, and on the 3d day of February, 1890, and in the office of the Department of Public Parks on the 17th day of January, 1891, and on the 3d day of February, 1890, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 10th day of August, 1892, at 2 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 30, 1892.  
LEICESTER HOLME,  
HENRY STEINERT,  
JAMES F. C. BLACKHURST,  
Commissioners.

MATTHEW P. RYAN, Clerk.

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

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 23d day of December, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as East One Hundred and Seventy-eighth street, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks and filed in the office of the Secretary of State, on the 6th day of August, 1888, on the 1st day of June, 1889, and on the 13th day of June, 1890; in the office of the Register of the City and County of New York, on the 12th day of August, 1888, on the 1st day of June, 1889, and on the 12th day of June, 1890, and in the office of the Department of Public Parks on the 14th day of August, 1888, on the 21st day of May, 1889, and on the 17th day of June, 1890, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York, and a just and equitable estimate and assessment of the value of the benefit and advantage of said street so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 28th day of July, 1892, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 21, 1892.  
MICHAEL J. MULQUEEN,  
EVANUEL M. FRIEND,  
HENRY G. CASSIDY,  
Commissioners.

MATTHEW P. RYAN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to INTERVALE AVENUE (although not yet named by proper authority), from the Southern Boulevard to Wilkins place, in the Twenty-third Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 23d day of September, 1891, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain avenue herein designated as Intervale avenue, as shown and delineated on certain maps made by the Commissioners of the Department of Public Parks and filed in the office of the Secretary of State of the City of New York, on the 5th day of June, 1890, and on the 4th day of June, 1890; in the office of the Register of the City and County of New York on the 8th day of August, 1891, on the 4th day of June, 1890, and on the 17th day of June, 1890; and in the office of the Department of Public Parks on the 20th day of August, 1891, on the 4th day of June, 1890, and on the 3d day of June, 1890, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York, and a just and equitable estimate and assessment of the value of the benefit and advantage of said avenue so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 27th day of July, 1892, at 12 o'clock, noon, of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 21, 1892.  
THOMAS P. WICKES,  
WILLIAM H. BARKER,  
DANIEL SHERRY,  
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND SIXTY-FOURTH STREET (although not yet named by proper authority), extending from East One Hundred and Sixty-fifth street to Railroad avenue, West, and from Brook avenue to Trinity avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first class street or road by the Department of Public Parks.

**NOTICE IS HEREBY GIVEN THAT WE, THE** undersigned, have been appointed, by an order of the Supreme Court duly made and entered in the above entitled matter, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate and assessment of the loss and damage, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of the opening of that certain street, road or avenue, known and designated as East One Hundred and Sixty-fourth street, although not yet named by proper authority, extending from East One Hundred and Sixty-fifth street to Railroad avenue, West, and from Brook avenue to Trinity avenue, and the acquisition of title by the City to the land included within the lines of such street or avenue, as the same was laid out by the Commissioners of the Department of Public Parks and shown and delineated on certain maps made by the said Commissioners of the Department of Public Parks, under authority of chapters 329 and 604 of the Laws of 1874, chapter 436 of the Laws of 1876, chapter 410 of the Laws of 1882 and chapter 577 of the Laws of 1887, and filed in the office of the Secretary of State of the City of New York on the 4th day of August, 1888, in the office of the Register of the City and County of New York on the 3d day of August, 1888, and in the office of the Department of Public Parks on the 31st day of July, 1888, and more particularly set forth and described in the petition of the Commissioners of the Department of Public Parks and in the order appointing us Commissioners, which said petition and order are now on file in the office of the Clerk of the City and County of New York; and for the purpose also of making a just and equitable estimate and assessment of the value of the benefit and advantage of such street or avenue, so to be opened, to the respective owners, lessees, parties and persons, respectively, entitled unto or interested in the respective lands, tenements, hereditaments and premises not required for the purpose of opening said street or avenue, but deemed by us to be benefited thereby, and for the purpose of executing the trusts and duties imposed upon us as such Commissioners by title 5 of chapter 16 of chapter 410 of the Laws of 1882, entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and by such acts or parts of acts as relate to or prescribe our duties as such Commissioners, passed subsequent thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of the opening of the said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same to us, duly verified, with such affidavits or other proof as the owners or claimants may desire, at our office, No. 200 Broadway (fifth floor, Room 25), in the City of New York, within thirty days after the date of this notice (June 23, 1892). And we, the said Commissioners, will be in attendance at our said office on the 29th day of July, 1892, at 12 o'clock noon on that day, to hear the said parties and persons in relation thereto. And at such time and place, or at such further or other time and place as we may appoint, we will hear such

owners and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 23, 1892.  
ADOLPH L. SINGER,  
LAMONT McLOUGHLIN,  
CHARLES W. DUTTON,  
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 SIXTEENTH STREET, from the Boulevard to Riverside avenue, in the Twelfth Ward.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 17th day of June, 1890, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Sixteenth street, as shown and delineated on a certain map of the City of New York, made by the Commissioner of Streets and Roads of the City of New York, and filed in the office of the Street Commissioner of the City of New York April 1, 1891, and as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Street Commissioner of the City of New York on March 7, 1888, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York, and a just and equitable estimate and assessment of the value of the benefit and advantage of said street so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 27th day of July, 1892, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 20, 1892.  
ROLLIN M. MORGAN,  
JOHN H. ROGAN,  
JAMES F. C. BLACKHURST,  
Commissioners.

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 NINETEENTH STREET (although not yet named by proper authority), between Audubon avenue and Eleventh avenue, in the Twelfth Ward of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 2d day of May, 1891, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Nineteenth street, as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Register of the City and County of New York on the 17th day of September, 1869, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 25th day of July, 1892, at 10:30 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 15, 1892.  
EZEKIEL THOMSON, JR.,  
JACOB BLUMENTHAL,  
JOSEPH I. McKEON,  
Commissioners.

MATTHEW P. RYAN, Clerk.

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

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 2d day of May, 1891, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Sixty-sixth street, as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and under authority of chapter 607 of the Laws of 1867, and filed in the office of the Register of the City and County of New York, on the 17th day of September, 1869, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 25th day of July, 1892, at 3 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto. And at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations, as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 15, 1892.  
MAX MOSES,  
BRYAN L. KENNELLY,  
EDWARD PURCELL,  
Commissioners.

MATTHEW P. RYAN, Clerk.

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

**NOTICE IS HEREBY GIVEN THAT THE** undersigned were appointed by an order of the Supreme Court, bearing date the 2d day of September, 1891, Commissioners of Estimate and Assessment, for the purpose of making a just and equitable estimate and assessment of the loss, if any, over and above the benefit and advantage, or of the benefit and advantage, if any, over and above the loss and damage, as the case may be, to the respective owners, lessees, parties and persons respectively entitled unto or interested in the lands, tenements, hereditaments and premises required for the purpose by and in consequence of opening a certain street herein designated as One Hundred and Eighty-seventh street, as shown and delineated on a certain map made by the Board of Commissioners of the Central Park, and filed in the office of the Register of the City and County of New York on the 17th day of September, 1869, and more particularly set forth in the aforesaid order of appointment and the petition of the Board of Street Opening and Improvement filed therewith in the office of the Clerk of the City and County of New York; and a just and equitable estimate and assessment of the value of the benefit and advantage of said street, so to be opened or laid out and formed, to the respective owners, lessees, parties and persons respectively entitled to or interested in the said respective lands, tenements, hereditaments and premises not required for the purpose of opening, laying out and forming the same, but benefited thereby, and of ascertaining and defining the extent and boundaries of the respective tracts or parcels of land to be taken or to be assessed therefor, and of performing the trusts and duties required of them by chapter 16, title 5, of the act entitled "An Act to consolidate into one act and to declare the special and local laws affecting public interests in the City of New York," passed July 1, 1882, and the acts or parts of acts in addition thereto or amendatory thereof.

All parties and persons interested in the real estate taken or to be taken for the purpose of opening the said street, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same duly verified to the undersigned Commissioners of Estimate and Assessment, at their office, No. 51 Chambers street, in the City of New York, Room No. 3, with such affidavits or other proofs as the said owners or claimants may desire, within thirty days after the date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 25th day of July, 1892, at two o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto, and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto and examine the proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner, or on behalf of the Mayor, Aldermen and Commonality of the City of New York.

Dated NEW YORK, June 15, 1892.  
MICHAEL J. MULQUEEN,  
DAVID K. SCHUSTER,  
HERMAN BOLTE,  
Commissioners.

MATTHEW P. RYAN, Clerk.

## THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays other than the general election day excepted, at No. 2 City Hall, New York City. Annual subscription \$9.30.

W. J. K. KENNY,  
Supervisor