

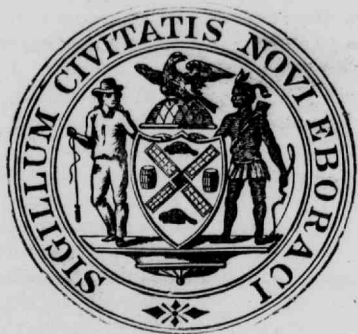
THE CITY RECORD.

OFFICIAL JOURNAL.

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DEPARTMENT OF PUBLIC WORKS.

Report for Quarter ending June 30, 1882.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, August 3, 1882.

Hon. WILLIAM R. GRACE, Mayor :

SIR—In accordance with section 27 of the Charter, I have the Honor to transmit to you herewith my report of the transactions of the Department of Public Works for the quarter ending June 30, 1882.

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation	\$640,819 21
On account of Assessment Fund for Street Improvements	233,605 46
On account of Revenue Bonds in anticipation of collection of charges for water meters	6,340 94
On account of Special Fund for Restoring Pavements over Street Openings	6,113 50
On account of Funded Debt for Improvement and Extension of Water Supply	246,277 08
Total	\$1,133,156 19

Expenditures for six months ending June 30, 1882.

Appropriation Account	\$1,176,802 95
Assessment Fund	428,648 63
Revenue Bonds, for water meters	11,092 71
Special Fund, restoring pavements	11,264 50
Funded Debt, water supply	443,588 87
Total	\$2,071,397 66

Summary Statement of Contracts entered into during the Quarter.

29 Paving Contracts, estimated cost	\$360,097 14
24 Repaving Contracts, estimated cost	281,434 73
13 Sewer Contracts, estimated cost	132,043 52
21 Regulating and Paving Contracts, estimated cost	207,240 33
10 Gas Contracts, estimated cost	531,200 00
6 Miscellaneous Contracts, estimated cost	91,449 50
9 Contracts under \$1,000 each, "	1,817 01
112 Contracts, total estimated cost	\$1,605,282 23

Contracts Completed.

8 Paving Contracts, cost	\$49,994 94
12 Sewer Contracts, "	59,192 68
13 Regulating and Grading Contracts, cost	148,531 81
4 Miscellaneous Contracts, cost	3,082 03
37 Contracts, total cost	\$260,801 46

The number and estimated cost of contracts entered into during the six months ending June 30, for the past seven years, are as follows :

Six months ending June 30, 1876, 64 Contracts, estimated cost	\$417,115 27
" " 1877, 46 " "	591,379 26
" " 1878, 65 " "	886,876 14
" " 1879, 45 " "	401,964 23
" " 1880, 69 " "	916,186 10
" " 1881, 45 " "	423,042 25
" " 1882, 127 " "	1,776,590 77

It is proper to remark that during the first six months of last year, 1881, a larger number of contracts would have been made, but for the fact that public lettings were held back or postponed while the act, chapter 147, Laws of 1881, passed April 29, 1881, requiring cash deposits with proposals, was pending in the Legislature and before the Governor.

The number and estimated cost of contracts made during the first six months of 1882, are nearly double the number and cost for the same period in any of the preceding six years.

This statement shows at a glance the magnitude of the work now and recently carried on under the direction of the Department, and its great increase during the present period of prosperity, as compared with the preceding years of depression.

Instead of protesting against improvements, as they did then, property-owners and tax-payers are now constantly urging the prosecution of new works, to make additional territory available for occupation, and to improve the conveniences afforded by pavements, sewers and water supply in the built-up portion of the city.

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

Records of the rainfall are kept by the Department at the Boyd's Corner reservoir, on the west branch of the Croton river ; at the South-east reservoir on the middle branch of the Croton river ; and at Kensico, on the Bronx river. The records for the past quarter and six months are as follows :

	Quarter ending June 30, 1882.	Six months ending June 30, 1882.
At Boyd's Corner reservoir	10.70 inches.	25.65 inches.
At South-east reservoir	9.15 "	23.14 "
At Kensico, on the Bronx river	10.44 "	24.02 "

Although this is from 1.35 to 2 inches less than for the corresponding six months of last year, there were other circumstances which made the supply of water at the Croton dam more abundant—first, because the storage reservoirs and lakes were refilled to high water mark at an earlier period of the year, after the drafts upon them of the preceding year ; secondly,—because the rainfall and the flow of the streams was more equally distributed over the period of six months ; and thirdly, because the winter season was so moderate that a comparatively small portion of the rainfall was bound up and held back in the form of snow and ice, to be released in sudden freshets by warmer weather.

These are the causes which produced a greater and steadier supply of water at the head of the aqueduct with a lesser volume of rainfall than we had last year. The average surplus of water running over the Croton dam into the Hudson river during the past six months, above the quantity required to fill the reservoir and lakes and to keep the aqueduct running at its full capacity, was 500,000,000 gallons per day. Our aqueduct was therefore able to deliver only one-sixth of the supply which might, with sufficient conduit and storage capacity, have been brought to the city ; but as I said in my letter to you of July 29th ult., if we had Niagara Falls, instead of the Croton river to draw from, we could not until we have another aqueduct, receive in the city and deliver one drop of water more than we are now distributing.

Since the first of January the aqueduct has delivered without interruption a little over 95,000,000 gallons of water per day, which is all that can safely be passed through it.

It has been stated many times in the reports of this Department that the aqueduct has been kept running at its full capacity for the past ten years, and that when all this water was distributed to a population several hundred thousands less in number than the present, complaints of inadequate pressure prevailed to a considerable extent in some parts of the city.

Yet, judging from complaints and communications constantly received by the Department in reference to the water supply, there appear to be many people who do not understand that without means to increase the quantity of water available for use in the city, the growth in consumption of water entailed by the growth of the city in population, buildings, commerce and manufacture, must produce a corresponding decrease in the force or head with which the water can be delivered in the houses. The warning that this constant decrease of force is inevitable, until a new supply can be brought in, has been repeated by the Department again and again ; but whatever attention it may have received from the general public, it seems that little heed is paid to it by the authorities to whom we have to look for power and means to increase the supply.

I have no doubt that a very large majority of the people of the city are convinced, from their own observations and reasoning, aside from any statements or arguments of the Department, of the immediate and imperative necessity of an additional aqueduct ; but the bill to authorize its construction, which had the approval of the Mayor, the Comptroller, and the counsel to the corporation, as well as myself, and passed the Senate and Assembly in 1881, failed to receive the approval of the Governor, and at the last session of the Legislature although amended to meet the Governor's main objection, remained in the hands of Committees, and did not come to a vote in either the Senate or Assembly. It is no longer a matter of conjecture or probability, but a certainty, that such delay in dealing with this vitally important question will result in great loss and injury to the community and to individual citizens. During the years which it will take to build a new aqueduct and the requisite appurtenances, the number of water consumers and the ways and methods of using water will continue to increase, and the pressure in delivering the water through the mains will decrease in the same ratio.

It now seems inevitable that locations where the pressure is already very low will be almost wholly deprived of the supply.

The gradual diminution and disappearance of the comforts and conveniences derived from an abundant supply and head of water must have a depreciative influence on the value of real estate. Commerce, manufactures, public health, security of life and property, are affected by the state of the water supply. The predominance of commerce in the life and business of New York is so great that people lose sight of the fact as shown by the census of 1870 and 1880, that in the value of its manufactures it far exceeds any other city and county in the United States.

Abundant water supply is so essential a requisite for manufactures that a deficiency of supply will surely reduce the city to the second and possibly to the third or fourth rate as a manufacturing center.

As before stated, our present appliances for receiving and distributing water are employed at their fullest capacity. The large waste of water which heretofore prevailed along the water front, in business establishments, in washing sidewalks, house fronts and yards with hose, and in numerous other ways, has been stopped as far as possible.

The Department is as yet without effective means and authority to detect and control waste in private dwellings, and the experience of other cities, where the authorities have ample means and power, shows that no method has yet been devised by which waste in private houses can be completely stopped. However, the Department is now making experiments toward the accomplishment of that object ; but the additional demands on the water supply will be many times greater than the amount of water which may be saved by such means.

Thus the narrow margin between a bare sufficiency and absolute deficiency in the supply, is diminishing with every step in the progress of the city.

People from other cities, States and countries, cannot understand why the metropolis, with its vast properties and interests, should hesitate to avail itself of the comparatively simple and inexpensive means of securing an abundant supply of the purest water by constructing another aqueduct from the Croton river.

Boston, Philadelphia, Baltimore, Chicago, St. Louis and other cities, greatly inferior to New York in population, wealth and importance, which have also had the experience of outgrowing their water supply, have promptly met the emergency by the construction of new works under far greater difficulties and proportionately greater expense.

Of late the complaints of inadequate supply and pressure, and demands for the extension of the high-service supply, have grown so numerous that it became almost impossible to make a separate reply in each case ; and I had the following circular letter prepared as an answer to such communications, giving a brief and succinct statement of the situation, in addition to the circular letter printed in my last quarterly report, in reference to applications for high-service supply :

MR.

SIR—In answer to your letter complaining of deficient water supply in your premises, I beg to say that we distribute all the water which the aqueduct is capable of holding and conveying to the City,

and the decrease in pressure is due to increased consumption of water, caused by the rapid growth of population, commerce and manufactures, erection of new buildings, enlargement of old buildings, introduction of new conveniences and ways for using water, and other circumstances beyond the control of the Department. It is impossible to deliver water at higher levels or in greater quantities than at present until an additional supply can be brought into the City by new conduits; and the only way in which people can obtain water above the elevation to which it runs by its own pressure, is by the use of pumps and tanks.

Very respectfully,
(Signed) HUBERT O. THOMPSON, Commissioner of Public Works.

To the complaints of citizens are added the demands of the Fire Department for additional facilities for extinguishing fires, as shown by the following letter, addressed to me by the President of that Department:

HEADQUARTERS FIRE DEPARTMENT, CITY OF NEW YORK,
NOS. 155 AND 157 MERCER STREET,
NEW YORK, May 11, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works:

SIR—I have the honor to inform you that in conformity to a resolution of the Board of Fire Commissioners, the Chief of Department reports the following "important localities where there is an absence of hydrants or proper water facilities," with his recommendations as to supplying the deficiencies.

New water-mains not less than 12 inches in diameter should be laid in all the following-named streets:

West street, from the Battery to West Eleventh street.
South street, from the Battery to Montgomery street.
Park place, from Church street to College place.
Reade street, from Broadway to Centre street.
West Broadway, from Chambers to Canal street.
*Thomas street, from Broadway to Church street.
Broome street, from Bowery to Sullivan street.
Spring street, from Bowery to Sullivan street.
Twenty-second street, from Third to Seventh avenue.
Twenty-fourth street, from Fifth avenue to North river.
New street, from Wall to Beaver street.
Vandewater street, from Frankfort to Pearl street.
Beekman street, from Nassau to South street.
Gold street, from Frankfort street to Maiden lane.

The 12-inch pipe in Elizabeth street to be extended from Bayard street to Mott and Bayard street, Bowery and Chatham street to Mott street, and connected with Mott street main. A new stop-cock to be placed at Chatham square on the main south of the connection of the Elizabeth street pipe; the gate at Sixth street to be opened to its full capacity to furnish a sufficient supply of water to the hydrants on Mott and Elizabeth streets.

Additional fire-hydrants are required east of Broadway, from State to Wall street; east of Nassau, Chatham and Division streets; south of Grand street;—in this section they are very much needed. Also in the districts north of Twenty-eighth street, from the East river to Fifth avenue; north of Thirty-third street, from Fifth avenue to North river—excepting, that on Tenth avenue to Forty-second street, and on Eleventh avenue to Fiftieth street, a sufficient number are located. Also, on the 24-inch pipe in Ninth avenue; on the 20-inch pipe in Fifth avenue, from Twenty-ninth to Fifty-seventh street—as at present there are only eight hydrants on that pipe between those streets; on the 48-inch pipe in First avenue, from Fourteenth to Eighty-third street—as there are only a few hydrants scattered here and there on the highest points; and on Third avenue, from Seventh to Seventy-ninth street.

Generally, there should be two hydrants on avenue corners, at each street-crossing, and at least two additional on the streets between the avenues, and as a rule the entire city should be covered with hydrants, not more than 200 feet apart.

He also recommends that cisterns, as adjuncts to the water-pipes, be built in the populated sections of the city, especially on Broadway, as high as Twenty-third street; on Canal street, in the immediate vicinity of the large furniture warehouses; on Grand street, in the vicinity of Allen street; on Hudson street, and in all other sections of the city where combustible goods, stored in extensive warehouses, may, in cases of fire, make necessary the use of a large quantity of water.

The cisterns can be constructed of brick or cast-iron, placed near street-corners or midway in blocks, in such a manner as not to occupy more space than the present culverts. They should be connected with the 12-inch, 24-inch, or 36-inch pipes—so that the supply of water would be sufficient to concentrate several engines at such cistern—with the proper appliances for turning on or shutting off the water, and waste-pipes connecting direct with the sewers or culverts.

These cisterns could be made more reliable than many of the hydrants in cold weather.

He further recommends, pending the consummation of the plans for increasing the water supply of the city, that a main be laid for fire purposes only, with branches to extend to all the high points throughout the city to secure a steady pressure at all times of at least 36 pounds.

The Board approves and concurs in these recommendations and suggestions, and urging their great importance to the city, requests your immediate attention to them, and that all possible effort be made to effect the improvements as speedily as practicable.

Very respectfully,
(Signed) JOHN J. GORMAN, President.

To which I returned the following answer:

NEW YORK, JULY 21, 1882.

Hon. JOHN J. GORMAN, President of the Fire Department:

SIR—With the assistance of the Chief Engineer of the Croton aqueduct, I have carefully examined and considered the subject of your letter of May 11, ult., giving the report of your Chief of Department of "important localities where there is an absence of hydrants or proper water facilities," with his recommendations as to supplying the deficiencies, and stating that your Board approves and concurs in the recommendations; and urging their importance to the city, requests my immediate attention to them, and that all possible effort be made to effect the improvements as speedily as practicable. The requests and recommendations thus made by your Department, embrace:

1. New 12-inch water-mains in various streets specified in your letter, principally below Canal street, requiring an aggregate length of 45,750 lineal feet of pipes; estimated cost, \$160,125.
2. Additional fire-hydrants on several existing large mains, and generally throughout the city, so as to have two hydrants at each street intersection, and hydrants on all streets not more than 200 feet apart, requiring about 3,000 new hydrants, at \$150 each, \$450,000.
3. A stop-cock on the 36-inch main in Chatham square; estimated cost, \$3,500.
4. Cisterns to be built as adjuncts to the water-pipes in the populated sections of the city, especially on Broadway as high as Twenty-third street; on Canal street, in the vicinity of the large furniture houses; on Grand street, in the vicinity of Allen street; on Hudson street, and all other sections of the city where combustible goods are stored in large warehouses.
5. A separate main, with branches to all high points throughout the city, to be used exclusively for fire purposes, so as to secure a steady pressure of at least 36 pounds.

The questions which present themselves in the consideration of these measures are: Their feasibility, the practical results to be attained, the expenditure involved, and the means at the disposal of the Department.

* There is no pipe in this street.

I will take up your propositions in the order of their magnitude as to expenditure involved, as well as in other respects.

To obtain a steady pressure of 36 pounds to the square inch in supplying water from our present supply for extinguishing fires throughout the city, it would be necessary to lay an entirely new and separate system of pipes, disconnected from the ordinary service, and to pump the water to be supplied to such separate system to a higher elevation than the level of the distributing reservoir. Some idea of the cost of such a system of pipes may be obtained from the fact that the total cost of the pipes included in the present distributing system is about \$16,000,000. The execution of this plan would also involve the tearing up of every street in the city, and would require at least as much time as the construction of a new aqueduct.

No suggestion is made in your letter as to the number, capacity or plan of construction of the proposed cisterns; but there is no doubt that to derive any practical result from them toward the object contemplated in your letter, an expenditure of several million dollars would have to be incurred. In many localities their construction would be very difficult, if not altogether impracticable, on account of the great number and variety of existing public and private structures under the streets and sidewalks of the city.

The consideration of these two projects seems to be out of all question in view of the fact that an expenditure of \$14,000,000 for a new aqueduct and reservoir, as recommended in my special report to the Mayor in February last, will give the city a permanent addition of two hundred million (200,000,000) gallons per day to its water supply, securing far superior results, not only in respect to the supply of water for extinguishing fires, but for all the other and equally important objects for which an abundant water supply is needed; and this without the annoyances, inconveniences and damage, which are inseparable from the work of tearing up our streets to lay a new system of pipes and cisterns.

The recommendations for the laying of additional 12-inch pipes in certain streets, and placing additional fire-hydrants throughout the city, are more feasible of execution; but with the means at the disposal of the Department it would take at least five years to carry them out. The estimated expense of laying the additional 12-inch pipes and placing the additional fire-hydrants called for in your letter, is \$610,125.

By chapter 565, Laws of 1879, the appropriation for laying pipes and for all other works to extend and improve the distribution of water, for all purposes, throughout the city, is limited to \$250,000 per annum. With the present rapid growth of the city this would barely suffice to extend the water service into new streets, if pipes were laid to all places where new consumers are applying for water.

In order to retain some part of the appropriation for the purpose of carrying out the requests of your Department for greater facilities for extinguishing fires, this Department has adopted the rule of reporting against the adoption or approval of resolutions to lay pipes in new streets unless there is at least one building to be supplied to each 100 feet of pipe to be laid. Many residents, where the proportion of buildings is less, consider it a great hardship to be deprived of the regular water supply.

In some of the locations mentioned in your letter, it is impracticable to lay additional pipes and place new hydrants. Thomas street, between Broadway and Church street, is private property, and vaults extended under the entire roadway. The space under the roadway in Park place, between Church street and College place, is so occupied by vaults that it appears almost impossible to place pipes and hydrants. In Beekman street, the new main would have to be laid under the rail-track and the hydrants placed in and through private vaults. In Gold and New streets, the sidewalks are so narrow that the large hydrants would leave very little passage-way.

The proposed stop-cock on the 36-inch main in Chatham square would cost \$3,500, and would, when closed, destroy the circulation of water in a great part of the city below Canal street. With no desire to detract from the importance and magnitude of the interests involved in the question of proper facilities for extinguishing fires, which I fully appreciate and desire to protect to the full extent of the means in my power, I would submit that the entire quantity of water used for extinguishing fires, is about 40,000,000 gallons a year, while the entire supply and consumption of water in the city is over thirty-four thousand million gallons a year. During the past twelve years several million dollars were expended in laying larger pipes and placing additional hydrants to increase the security against fire.

Any scheme which may be devised to increase the quantity and pressure of water for instant use to extinguish fires in all parts of the city, would involve an expenditure of several million dollars, and legislation would be required to provide the means and give the authority for the expenditure. It would be strange, indeed, if the authorities which have hitherto denied to the Department the comparatively moderate amount and the authority required to build a new aqueduct, which would more than treble the present water supply and remove into the distant future all doubt as to an abundance of water for every possible purpose—should be willing to appropriate millions for a mere temporary expedient which would not add one drop to the present supply.

Very respectfully,
(Signed) HUBERT O. THOMPSON, Commissioner of Public Works.

Work on the Aqueduct.

The following are the principal items of work done during the quarter in strengthening the weaker portions of the aqueduct and in ordinary repairs:

- 1,370 cubic yards brick masonry built in strengthening top arch and gate houses.
- 12,969 cubic yards earth excavated.
- 8,684 cubic yards earth placed in side embankments.
- 870 cubic yards rock excavated and quarried.
- 1,557 cubic yards dry stone wall built.
- 66 lineal feet of stone culverts built.
- 2,140 superficial feet granite and marble ashlar put in gate houses.
- 4,687 lineal feet fences rebuilt.
- 20,226 lineal feet fences repaired.
- 1,900 lineal feet embankments graded and seeded.

Work on Storage Reservoirs.

A small Engineering party is still engaged in locating the boundaries of parcels of land required for the proposed new storage reservoir on the east branch of the Croton river, and aiding the assistants of the Counsel to the Corporation in the searches of titles.

The improvements at the outlets of Lakes Mahopac and Kirk have been continued.

Distributing System.

20,734 lineal feet of 12-inch pipes, 22,327 lineal feet of 6-inch pipes and 415 lineal feet of 4-inch pipes were laid, and 194 fire-hydrants and 38 stop-cocks set, during the quarter, in extending the water supply into new streets.

The total length of distributing pipes in use on the 30th of June was 523 8-100 miles, with 6,816 fire-hydrants and 5,480 stop-cocks.

419 additional water-meters were placed, making a total of 6,375 meters in use at the close of the quarter.

The inspections of plumbing arrangements in houses and house connections with sewers to detect waste of water, were steadily continued. In 2,424 examinations of sewer connections water was found to be running in 368 cases from the houses through the sewer connections between the hours of midnight and 6 A. M., at the rate of from 1 to 5 gallons per minute; in 3 cases at the rate of 5½ gallons per minute, and in one case at the rate of 6 gallons per minute.

11,680 house inspections were made, resulting in the detection of 1,495 leaks in fixtures and 62 cases of wilful waste.

Works for the Bronx River Supply.

The legal proceedings to acquire the necessary land and water rights for a storage reservoir at the Rye ponds and along the outlets of the ponds have been completed, the Commissioners appointed to appraise the values and damages having made their report, which was confirmed by the Supreme Court on the 24th of June, 1882.

The maps showing the lands and water rights required to divert the water of the Byram river into the Bronx have been completed and filed, but no proceedings have yet been taken to acquire them. Nearly all the water or mill-rights which will be affected by the diversion of the water are located in the State of Connecticut.

The laws of the State of New York in reference to the appropriation of private property for public use are therefore not available in this case, and it will be necessary to compensate the owners by purchase or agreement, or take the risk of law suits and injunctions if the water is diverted without such agreement. This risk would be too great, and I think that no expenditure for land or works to obtain the water of the Byram river should be incurred until the question of rights to be acquired and damages to be paid in the state of Connecticut is definitely and permanently settled.

A commission has been appointed and has held several meetings to appraise values and damages to acquire the right of way for the conduit line between Hartzdale and Bronxville. Application has been made to the Supreme Court for the appointment of a similar commission to acquire the land for the Receiving reservoir at Williamsbridge, and the conduit line from Bronxville to Central avenue within the city boundaries.

The work under the contract for building the dam and reservoir at Kensico, and under the several contracts for laying sections of the conduit line thence to the city, has progressed favorably during the quarter.

On the Reservoir, the following quantities of work were done:

555	cubic yards rock excavation.
9,470	" " earth excavation.
13,720	" " embankment.
3,216	" " stone, brick and concrete masonry.
531	" " dry stone wall.
9,971	lineal feet fence wall.

SKETCH SHOWING THE GROUND UNDER CARRIAGEWAY AT INTERSECTION OF WALL, BROAD AND NASSAU STREETS, AS OCCUPIED BY WATER, GAS, STEAM, PNEUMATIC, CABLE AND ELECTRIC PIPES, SEWERS, BASINS, CULVERTS, DRAINS AND VAULTS TO HOUSES.

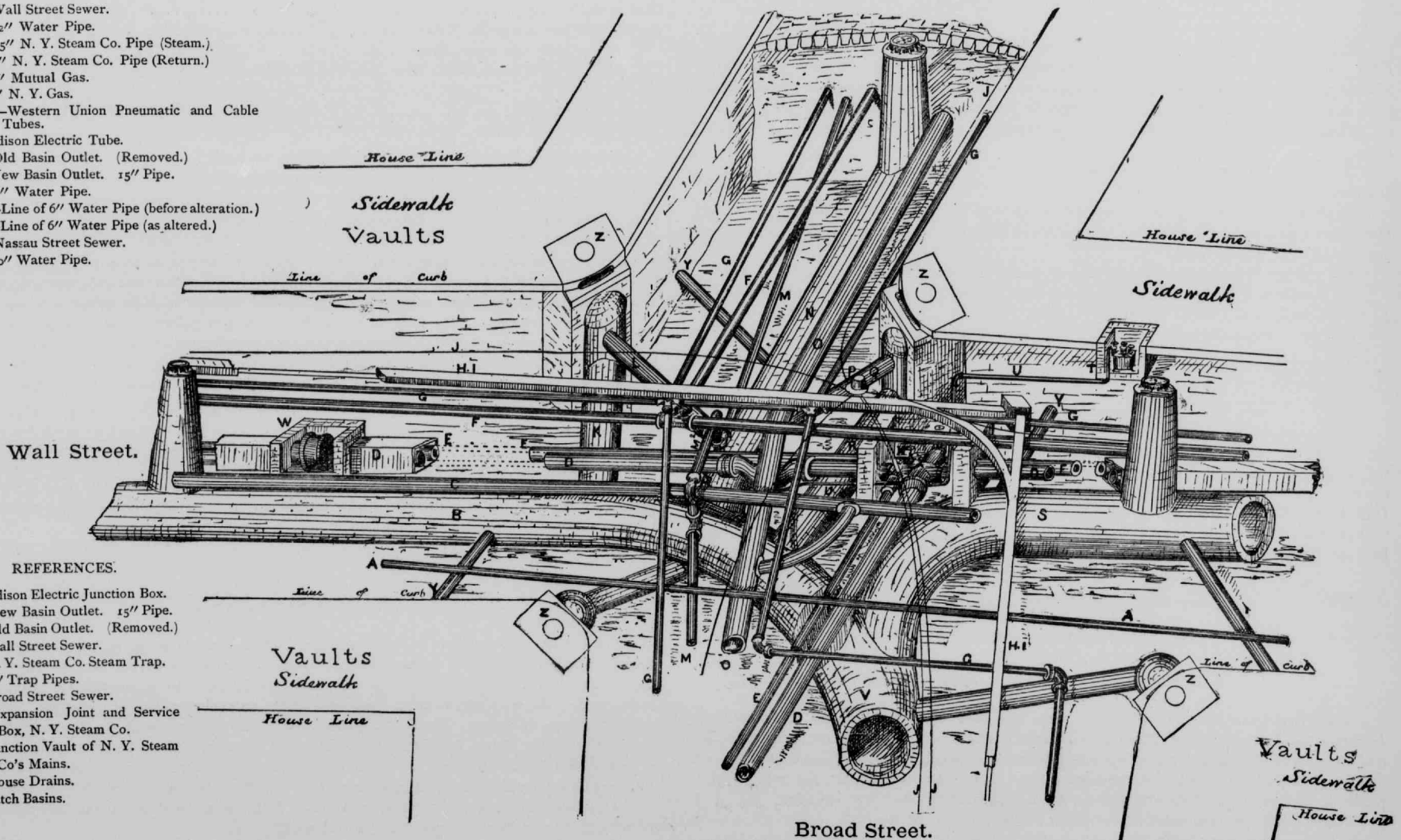
AUGUST, 1882.

REFERENCES.

- A.—6" N. Y. Gas.
- B.—Wall Street Sewer.
- C.—12" Water Pipe.
- D.—15" N. Y. Steam Co. Pipe (Steam.)
- E.—4" N. Y. Steam Co. Pipe (Return.)
- F.—8" Mutual Gas.
- G.—4" N. Y. Gas.
- H. I.—Western Union Pneumatic and Cable Tubes.
- J.—Edison Electric Tube.
- K.—Old Basin Outlet. (Removed.)
- L.—New Basin Outlet. 15" Pipe.
- M.—6" Water Pipe.
- M1.—Line of 6" Water Pipe (before alteration.)
- M2.—Line of 6" Water Pipe (as altered.)
- N.—Nassau Street Sewer.
- O.—20" Water Pipe.

REFERENCES.

- P.—Edison Electric Junction Box.
- Q.—New Basin Outlet. 15" Pipe.
- R.—Old Basin Outlet. (Removed.)
- S.—Wall Street Sewer.
- T.—N. Y. Steam Co. Steam Trap.
- U.—2" Trap Pipes.
- V.—Broad Street Sewer.
- W.—Expansion Joint and Service Box, N. Y. Steam Co.
- X.—Junction Vault of N. Y. Steam Co's Mains.
- Y.—House Drains.
- Z.—Catch Basins.



The force employed in repairing pavements was gradually increased from 40 men and 4 carts at the beginning of April, to 441 men and 84 carts in June. Repairs were made during the quarter in 206 separate localities.

The operations of the steam companies in laying steam pipes, under franchises granted by the Common Council, give occasion to refer again to the great difficulty of keeping our streets in proper condition with so many and various structures under their surface, and such frequent removal of pavements and excavations of the soil. It is the nature of the business carried on or to be carried on by these companies, that their pipes and tubes are first laid in the busiest streets, where the number and variety of underground structures already existing present the greatest difficulties to the progress of the work, and where obstructions to public travel are most severely felt. The permits issued to them during the present season enumerate thirty-three different locations, each including from one to five blocks of streets to be excavated for laying pipes—all in the section of the city below Chambers street, in which there is probably more business and traffic concentrated than in any other equal space in the world. It is not surprising that this work, carried on under such circumstances, should have caused, and does cause, great inconvenience and annoyance to the people, and give rise to many complaints; but some of the complaints are very unreasonable in attaching undeserved blame to this Department. The Department exercises all its legitimate power with vigilance and energy to have the work so conducted as to reduce the inevitable evils accompanying it to the smallest possible limit. Skilled and careful mechanics are placed by the Department as Inspectors over each work, their services being paid by the companies. Full and minute instructions accompany the permits, to meet every contingency that may arise in the progress of the work, to secure complete restoration of the streets, protection to public structures with which it comes in contact, and as little interference as possible with public travel. Some complainants treat the matter as though this Department were the cause and originator of the whole work, whereas it is carried on by private companies, under franchises granted by the Common Council, and the Department has only a certain limited supervisory power in regard to it.

Under three contracts for sections of the conduit line from Kensico to Hartzdale, from Bronxville to Woodlawn, and from Williamsbridge to Croton avenue, the following work was done:

3,454	cubic yards rock excavation.
13,768	" " earth excavation.
38,701	" " embankments.
536	" " stone, brick and concrete masonry.
474	" " dry stone wall.
4,228	tons of pipe delivered.
11,750	lineal feet 48-inch pipe laid.
900	" " 36 " " "
330	" " 12 " " "
80	" " 6 " " "
37,417	feet B. M. timbers furnished.
19,111	pounds wrought iron furnished.

BUREAU OF WATER PURVEYOR.

Pavements.

During the quarter, 48,881 square yards of new pavements were laid in fifteen different streets, to replace old and defective pavements, and on the 30th of June repavement work was in progress on ten other streets. On several repavement contracts the work has not yet been commenced.

The area of pavements laid on new streets, and payable by assessments on adjoining property, is 27,044 square yards, included in twelve contracts. Nine contracts were in progress at the close of the quarter, and thirteen contracts had not yet been commenced.

The total number of streets on which repavements or new pavements were laid or in progress of being laid, is forty-six; and for seventy-four other streets the contracts for new pavements had been made, but not yet commenced.

This shows a much larger amount of work done and in progress, than for the same period in any one of the past ten years.

The demand for paving blocks for these works has been so great that it could not be promptly supplied, which has been the cause of delay in commencing and carrying out some of the contracts.

The annexed sketch or diagram, showing the underground structures at the junction of Nassau, Broad and Wall streets, gives an idea of the difficulties to be contended with in laying two complete systems of steam pipes in the streets under the direction of rival companies. The point represented in the sketch presents only the average conditions encountered in most of the streets in the lower part of the city. There are a number of places where the underground structures are more numerous and complicated. The matter which is the most frequent cause of complaint and misunderstanding on the part of citizens, is the restoration of the pavements over the excavations. I have explained in communications to you, which have been published in the daily papers, that the first replacement of the pavement over a trench is not intended to be, and cannot be made, of a permanent character, because more or less settlement of the material and pavement must always occur. After such settlement the companies are required to relay the pavement, and to relay it again as often as necessary for one year, until it is firmly and evenly restored. They will be held to the strictest fulfillment of this obligation.

BUREAU OF SEWERS.

The extension of the sewerage system of the city, south of the Harlem river, is proceeding at a more rapid rate than at any previous time since the organization of this Department, in consequence of the great demand for making additional ground available for occupation by providing good sewerage and drainage. Work was progressing during the quarter on 37 sewer contracts, and the following are the principal items of work done:

10,424	lineal feet of sewers built.
313	lineal feet of culverts built.
11	receiving basins built.
7,000	lineal feet of piles driven.

The present total length of sewerage in the city is 386 85-100 miles, with 4,617 receiving basins. In the repairs and reconstruction of old sewers, carried on by the regular repair gangs:

977	lineal feet of sewers were rebuilt.
99	lineal feet of culverts rebuilt.

30 receiving basins rebuilt.
 9 new manholes built.
 880 lineal feet of sewers repaired.
 41 receiving basins repaired.
 182 manholes repaired.
 59 new basin heads put on.
 100 lineal feet of spur pipe laid.
 82 new manhole heads,
 162 manhole covers, and
 69 new basin covers furnished and set.
 138 manhole heads and
 7 basin heads reset.
 2,996 cubic yards earth excavated and refilled.
 833 square yards pavement relaid.

The quantity of dirt removed in cleaning 15,288 lineal feet of sewers and 632 receiving basins is 1,783 cart-loads.

BUREAU OF STREET IMPROVEMENTS.

There is also a notable increase in the work of regulating and grading new streets in pursuance of ordinances of the Common Council.

38 contracts for this class of work were in progress during the quarter. 12 contracts were completed, and 21 new contracts were entered into.

The aggregate quantities of work done are as follows:

8,972 cubic yards earth excavated.
 12,928 cubic yards rock excavated.
 100,501 cubic yards filling placed in embankments.
 19,298 lineal feet curb stones set.
 1,505 lineal feet curb and gutter stones reset.
 66,447 square feet flagging laid.
 6,922 square feet flagging relaid.

BUREAU OF STREETS AND ROADS.

The constant increase of travel on the uptown drives, boulevards and roads, causes increased labor and expense for their maintenance. In repairing and resurfacing the twenty-five miles of Macadam roadways, 1,363 cubic yards of broken stone, and 1,621 cubic yards of gravel and sharp sand were used. On the steep grades of Avenue St. Nicholas and the Boulevard, 7,281 square feet of gutters were paved with cobble stone to prevent the washing away of the surface material by rains.

The maintenance work on these roadways includes their cleaning; 1,192 cart loads of dirt were removed from them during the quarter.

On the sixty miles of unpaved streets and roads repairs were made on thirty-seven different streets and roads, and 2,569 cubic yards of earth and clay, 133 cubic yards of gravel, and 400 cubic yards of stone chips were used.

The average force employed by the Bureau during three months was:

On maintenance of Macadam roadways—1 time keeper, 3 foremen, 5 mechanics, 89 laborers, 31 double teams, and 3 horses and carts.

On country roads and unpaved streets—1 foreman, 24 laborers, 7 double teams, 1 horse and cart.

BUREAU OF LAMPS AND GAS.

During the quarter the number of lamps in the public streets, parks and places was increased by the addition of 132 gas lamps and 17 electric lights, making the total number in use at the close of the quarter, 23,666 gas lamps and 72 electric lights. The additional electric lights are furnished by the United States Electric Illuminating Company. The contract with the company is to light the Battery, City Hall and Washington Parks, Broadway between Canal and Fourteenth street, and Fifth avenue between Washington Square and Fourteenth street.

BUREAU OF REPAIRS AND SUPPLIES.

Repairs and Improvements on Public Buildings.

In the new Court House an additional room has been fitted up for the Commissioners of Accounts; the dome and tower of the City Hall were newly covered with tin; new partitions, railings, and closets and urinals of the most approved pattern were put in the Brown Stone building; a fire-proof vault was constructed in the building occupied by this Department, for the safe keeping of public documents, maps, plans and records, and a large iron air shaft was built from the first floor to the roof to improve ventilation in the Water Register Office; in the Hall of Records additional racks and cases for record books were put up; the roofs of the Jefferson Market Court House and the Fifth District Court House were repaired and repainted; in Tompkins Market a new set of gas fixtures was put in; closets, cases and gun racks were put up in the Eleventh Regiment Armory's Essex Market. The old engine house at No 5 Duane street, was fitted up for storage purposes of property in charge of the Public Administrator. Ordinary repairs were made in a number of other public buildings.

Fulton Market.

On the 18th of May, the contract was made for rebuilding the South street front and the central portion of Fulton Market. Satisfactory progress has been made on the work, showing good prospect of its completion within the time specified in the contract—185 working days. The temporary shed, for the use of the marketmen have been erected, and the piling and foundation of the new structure finished.

Jefferson Market.

There has been some delay in letting and executing the contract for rebuilding Jefferson Market, in consequence of a doubt whether the Department could legally proceed to construct a new building under an appropriation made by the Board of Estimate and Apportionment, unless specially authorized by act of the Legislature on resolution of the Common Council. To remove all such doubt the Board of Aldermen was requested to pass a resolution authorizing the rebuilding of the market. The resolution was adopted by the Board June 20, and approved by the Mayor June 24, and bids for the contract were then immediately advertised for.

The contract was made July 20 ult., and provides for the completion of the building on or before January 1, 1883.

Supplies for Public Offices.

The amount appropriated for this year for cleaning public offices and keeping them supplied with office furniture, fuel, carpets, and the numerous other articles, and to furnish law books to the various courts and departments, was so inadequate that before the expiration of six months there were no means left for purchasing supplies after reserving a sufficient amount for the wages of Janitors and cleaners, and many urgent requisitions had to remain unanswered. On the 6th of July, I requested the Board of Estimate and Apportionment to make a transfer of \$18,858 to this appropriation from other appropriations and unexpended balances to the credit of the Department, which request has been partly complied with. The general increase in the prices of all classes of supplies, the increase in the transaction of public business, and the necessity of meeting requisitions which cannot be longer put off without injury to public business, and which have remained unfilled by reason of the inadequacy of the appropriations in preceding years, make it impossible to attend to the wants to be supplied from the appropriation without an increase in the amounts granted for several years past.

Public Baths.

The eight public baths under the charge of the Department at the beginning of the quarter were, after being thoroughly repaired and painted, placed at their usual stations, and opened to the public on the 1st of June. Under chapter 447, Laws of 1881, a new bath was completed in June. The act directs that it be located in the Fifth Ward, and that the Department of Docks shall furnish a safe and convenient location for it, free of charge. On the requisition of this Department a location at the pier foot of Lighthouse street, North river, was designated by the Department of Docks, and the bath was placed there and opened for public use on the 23d of June. The location is not a convenient one, the pier being entirely occupied by the Pennsylvania Railroad Company, which closes the gates giving access to the pier between the hours of 7 P.M. and 7 A.M. As the baths are to be open to the public from 5 A.M. to 9 P.M., I have requested the Dock Department to take measures that the public may have access to the bath during those hours. The aggregate attendance at the baths up to June 30, was as follows:

	Males.	Females
Bath foot of Fifth street, East river.....	59,547	23,511
" Gouverneur street, East river.....	59,835	19,754
" Nineteenth street, East river.....	60,276	16,981
" Thirty-seventh street, East river.....	47,000	19,467
" One Hundred and Twelfth street, Harlem river.....	26,679	10,795
Bath at the Battery.....	55,360	20,885
Bath foot of Bethune street, North river.....	45,528	10,577
" Fifty-first street, North river.....	35,196	10,951
" Lighthouse street, North river, June 23d to 30th.....	15,956	6,267
Totals.....	405,287	139,188

Ever since the first two free baths were opened to the public in 1870, the pressure of applicants for admission has been so great, and constantly increasing, especially in very warm weather, that it is a matter of great difficulty to preserve order and enforce the rules, or avoid complaints from persons who feel themselves aggrieved. Recently some severe charges of misconduct in the management of the baths were published in the daily press. My orders to prevent abuses, and to secure impartial accommodation to all, are most positive. There is great difficulty in investigating such complaints, because in nearly every instance the complainants refuse to substantiate their statements by affidavit, or to identify the accused, and common justice forbids the punishment of an accused person, except on satisfactory evidence. The task of two keepers and two policemen, at each bath, of keeping order among 500 to 600 people clamoring for admission outside, and among those inside, many of whom are always planning to break the rules by remaining too long, by jumping from the railings, by annoying other bathers, and in other ways, is by no means an easy one. The keepers are frequently obliged to rescue persons attacked by cramps, or epileptic fits, or injured by reckless jumping or diving.

On a recent occasion of this kind a keeper at the Gouverneur street bath had his pockets picked while rescuing a boy from drowning. I am certain that if the people reflected on the difficulties and circumstances surrounding this matter there would be fewer complaints. The most thorough and patient investigation has as yet failed to bring to light any facts to support the charges recently made in the press against bath-keepers or attendants.

BUREAU OF INCUMBRANCES.

The number of complaints and notices received during the quarter in regard to obstructions on streets and sidewalks is 961. In each case the owners or responsible parties were notified to remove the obstructions, and in 308 cases of non-compliance the articles were seized and taken to the Corporation yard. There appears to be no abatement of the unlawful practice of depositing or dumping refuse material in streets. During the quarter the Department removed 1,458 cart-loads of such material from the streets, consisting mostly of stone and dirt. The police force has several times, at my request, been instructed to be vigilant and prompt to enforce the law and ordinance against this very objectionable offense. If more arrests for it were made it would soon become less frequent.

The Bureau issued 2,382 permits to place building material on streets, 286 miscellaneous permits, and 112 notices to repair defective sidewalks.

BUREAU OF WATER REGISTER.

The collection of revenue from the Croton water service for the quarter were as follows:

For Water Rents	\$466,889 32
For Penalties on Water Rents	1,374 60
For Tapping Croton Pipes	3,271 00
Total	\$471,534 92

OTHER REVENUES.

The Department also collected and paid into the City Treasury:

For Vault Permits	\$38,478 74
For Permits to Make Sewer Connections	6,894 69
For Furnishing and Setting Water Meters.....	6,587 01
For Articles Sold at Corporation Yard and Cost and Storage of Incumbrances.....	711 95
Total	\$61,586 39

Very respectfully,

HUBERT O. THOMPSON, Commissioner of Public Works.

Document "A."

SECOND QUARTERLY REPORT.—D. P. W.—1882.

Showing Titles of Appropriations; Appropriations and Transfers of 1881; Requisitions on 1881, to April 1, 1882; Requisitions on 1881 in Second Quarter of 1882; Balances of 1881 on July 1, 1882; Appropriations and Transfers of 1882; Requisitions First Quarter of 1882; Requisitions Second Quarter of 1882; Balances of 1882 on July 1, 1882; and the Titles and Expenditures, etc., on Trust and Special Accounts.

TITLES OF APPROPRIATIONS.	Appropriations and Transfers of 1881.	Requisitions on 1881, to April 1, 1882.	Requisitions on 1881, in Second Quarter, 1882.	Balances of 1881 on July 1, 1882.	Appropriations and Transfers of 1882.	Requisitions, First Quarter, 1882.	Requisitions, Second Quarter, 1882.	Balances of 1882 on July 1, 1882.
Aqueduct—Repairs, Maintenance, and Strengthening.....	\$230,200 00	\$226,925 24	\$2,343 42	\$931 34	\$246,750 00	\$27,917 81	\$51,659 35	\$167,172 84
Aqueduct—Repairs, Maintenance, and Strengthening—Salaries.....	39,792 73	39,792 73	.....	.....	23,250 00	4,958 44	5,322 04	12,068 62
Boulevards, Roads, and Avenues—Maintenance.....	66,200 00	66,148 27	43 75	7 98	70,000 00	7,560 82	20,618 13	41,821 05
Bridge across Fourth Avenue at Ninety-seventh Street.....	8,799 93	8,799 93	.....	.....	2,400 00	350 00	700 00	1,350 00
Construction and Maintenance of Additional Public Baths.....	8,739 00	.....	8,739 00	.....	6,000 00	.....	.....	6,000 00
Contingencies—Department of Public Works.....	2,415 29	2,415 29	.....	.....	4,000 00	124 45	1,291 51	2,584 04
Expenses of Surveying, Laying out, etc.....	1,500 00	856 22	.....	643 78	2,500 00	1,178 50	1,256 78	64 72
Fitting up Fifth Regiment Armory—Essex Market.....	18,300 00	15,300 00	3,000 00	.....	.....	.....	.....	.....
Fitting up Sixty-ninth Regiment Armory—Tompkins Market.....	15,000 00	14,828 20	.....	171 80	.....	.....	.....	.....
Flagging Sidewalks, and Fencing Vacant Lots.....	1,500 00	1,165 97	.....	334 03	1,500 00	.....	286 04	1,117 96
Foot Bridge across Fourth Avenue at Forty-first Street.....	.....	.....	.....	.....	3,000 00	.....	.....	3,000 00
Forty-second Street Reservoir—Removal of Pipes.....	12,500 00	8,971 14	3,528 86	.....	.....	.....	.....	.....
Free Floating Baths.....	16,000 00	14,458 29	1,482 60	59 11	15,215 00	.....	4,266 09	10,948 91
Free Floating Baths—Salaries.....	13,980 50	13,980 50	.....	.....	17,785 00	675 00	3,908 50	13,201 50
Fulton Market—Alterations and Repairs.....	80,000 00	65,001 88	13,040 45	1,957 67	100,000 00	200 00	6,062 75	93,737 25
Jefferson Market—Alterations and Rebuilding.....	.....	.....	.....	.....	70,000 00	.....	.....	70,000 00
Lamps and Gas and Electric Lighting.....	.....	.....	.....	.....	584,108 00	91,188 36	140,278 29	352,641 35
Lamps and Gas and Electric Lighting—Salaries.....	.....	.....	.....	.....	5,692 00	1,444 98	1,450 98	2,996 04
Lamps and Gas.....	512,933 37	512,933 37	.....	.....	.....	.....	.....	.....
Lamps and Gas—Salaries.....	5,344 00	5,344 00	.....	.....	.....	.....	.....	.....
Laying Croton Pipes.....	235,000 00	194,982 66	24,518 18	15,499 16	235,627 00	12,475 65	51,580 71	171,570 64
Laying Croton Pipes—Salaries.....	14,995 42	14,995 42	.....	.....	14,373 00	3,111 99	3,653 99	7,607 02
Public Buildings—Construction and Repairs.....	44,500 00	41,105 85	2,981 31	412 84	53,000 00	6,312 44	13,747 49	32,940 07
Public Buildings—Construction and Repairs—Salaries.....	1,898 50	1,888 50	.....	10 00	.....	.....	.....	.....
Public Drinking Hydrants.....	5,999 37	5,999 37	.....	.....	7,000 00	598 75	2,589 23	3,812 02
Removing Obstructions in Streets and Avenues.....	4,198 58	4,198 58	.....	.....	5,504 00	835 15	1,393 35	3,275 50
Removing Obstructions in Streets and Avenues—Salaries.....	1,798 23	1,798 23	.....	.....	2,490 00	322 00	1,110 00	1,064 00
Repairing and Renewal of Pipes, Stop-cocks, etc.....	102,826 71	102,826 71	.....	.....	105,000 00	26,940 77	36,627 44	41,431 79
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	58,143 99	58,143 99	.....	.....	45,000 00	7,906 59	19,270 46	17,822 95
Repairs and Renewal of Pavements and Regrading.....	145,405 59	145,405 59	.....	1,534 41	195,000 00	4,026 41	26,334 35	164,639 24
Repairs and Renewal of Pavements and Regrading—Salaries.....	43,997 84	43,997 84	.....	.....	5,000 00	1,145 50	1,472 00	2,382 50
Repaving Streets and Avenues.....	393,000 00	347,474 23	26,752 95	18,772 82	342,000 00	8,000 00	54,947 46	287,052 54
Repaving Streets and Avenues—Salaries.....	7,133 93	7,133 93	.....	.....	3,210 18	.....	3,210 18	3,390 49
Roads, Streets, and Avenues Unpaved—Maintenance, etc.....	29,100 00	29,099 41	.....	59	30,000 00	2,685 10	5,735 74	21,579 16
Roads, Streets, and Avenues Unpaved—Maintenance, etc.—Salaries.....	900 00	.....	.....	.....	.....	.....	.....	.....
Salaries—Department of Public Works.....	82,713 18	82,713 18	.....	.....	83,721 84	20,705 05	20,965 69	42,051 10
Sewers—Repairing and Cleaning.....	93,500 00	93,396 94	.....	103 06	114,000 00	16,675 73	33,177 30	64,146 97
Sewers—Repairing and Cleaning—Salaries.....	22,532 73	22,532 73	.....	.....	11,000 00	3,648 00	3,579 48	3,772 52
Sewerage System—Salaries.....	12,399 76	12,399 76	.....	.....	13,000 00	1,850 38	4,688 95	6,460 67
Street Improvement for Surveying, etc.....	1,000 00	1,000 00	.....	.....	1,500 00	.....	314 26	1,185 74
Street Improvement for Surveying, etc.—Salaries.....	250 00	250 00	.....	.....	.....	.....	.....	.....
Supplies for and Cleaning Public Offices.....	90,445 27	90,394 27	.....	51 02	70,000 00	27,734 18	20,413 78	21,852 04
Supplies for and Cleaning Public Offices—Salaries.....	24,784 19	24,784 19	.....	.....	23,000 00	5,911 77	6,187 23	10,901 00
Surveys, Maps, etc., for Street Openings.....	7,999 00	7,999 00	.....	.....	5,000 00	153 19	122 20	4,724 61
Supplying Water to Shipping, etc.—Salaries.....	.....	.....	.....	.....	9,000 00	2,283 00	2,297 00	4,420 00
Test of Appliances for Suppressing Waste of Croton Water.....	.....	.....	.....	.....	5,000 00	.....	.....	5,000 00
Water Supply for the Twenty-fourth Ward.....	12,250 00	9,463 03	2,647 62	139 35	13,000 00	504 24	1,918 72	10,577 04
Water Supply for the Twenty-fourth Ward—Salaries.....	602 00	602 00	.....	.....	.....	.....	.....	.....
Wells and Pumps—Repairing and Cleaning.....	500 00	203 74	.....	296 26	500 00	.....	.....	500 00
Totals.....	\$2,472,673 45	\$2,342,670 09	\$85,549 28	\$44,454 08	\$2,549,121 84	\$282,919 58	\$552,438 37	\$1,713,763 89

NOTE.—Requisitions Drawn Second Quarter, 1882, on Liabilities of 1880.....

County Court-house Building—Completion of.....	\$128 95
Expense of Laying four-foot Croton Mains.....	1,114 64
Laying Croton Pipes.....	396 79
Repaving Streets and Avenues.....	1,191 18
Total.....	\$2,831 56

* To this Balance of \$64.72 should be added, under Chapter 587, Laws 1881, the Balance of 1881, \$643.78—making \$708.50.

TITLES OF TRUST ACCOUNTS.	Balance from 1881, and Receipts First Quarter 1882.	Receipts Second Quarter, 1882.	Requisitions Drawn First Quarter, 1882.	Requisitions Drawn Second Quarter, 1882.	Balance, July 1, 1882.
Croton Water Fund.....	\$197,311 79	\$246,277 08	.....
Street Improvement above Fifty-ninth Street.....	920 37	93 05	.....
Street Improvement Fund.....	194,122 80	233,512 41	.....
Meter Stock (Sec. 5, Chap. 213, Laws 1871, and Sec. 73, Chap. 335, Laws 1873).....	4,751 77	6,340 94	.....
Restoring and Repaving—Special Fund, D. P. W.....	\$8,290 54	\$8,914 00	5,151 00	6,113 50	\$5,940 04

Statement showing Revenues of the City, received through Department of Public Works, during the First and Second Quarters, 1882.

SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTALS.	SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.
Water Rents.....	\$127,993 55	\$466,889 32	\$594,882 87	Meter Stock Deposit—Special Fund.....	\$8,127 42	\$6,587 01	\$14,714 43
Water Penalties.....	2,177 25	1,374 60	3,551 85	Total.....	\$8,127 42	\$6,587 01	\$14,714 43
Pipe Tapping.....	1,571 00	3,271 00	4,842 00				
Sewer Permits.....	4,940 17	6,894 69	11,834 86				
Vault Permits.....	14,285 26	38,478 74	52,764 00				
Sundries—Commissioner Public Works.....	105 57	711 95	817 52				
Total.....	\$151,072 80	\$517,620 30	\$668,693 10				

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

Document "B."

An account in detail of expenditures for which requisitions were drawn on the Comptroller by the Commissioner of Public Works during the quarter ending June 30, 1882.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance, and Strengthening for 1881—

Putting up boiler.....	\$2,095 75
Taxes.....	247 67
Total.....	\$2,343 42

Aqueduct—Repairs, Maintenance, and Strengthening, for 1882—

Aqua fortis.....	\$25 12
Blue stone.....	524 00
Brick.....	975 00
Building stone.....	1,665 00
Cement.....	840 00
Coal.....	4,806 51
Constructing telegraph.....	367 07
Derricks.....	605 00
Excavating rock.....	590 00
Grass seed.....	48 50
Lumber.....	480 64
Oil.....	246 48
Pay-rolls.....	34,242 08
Quarry stone.....	300 00
Repairing tools.....	815 65
Sand.....	945 00
Screenings.....	75 00
Supplies and tools.....	2,456 96

Aqueduct—Repairs, Maintenance, and Strengthening, for 1882—

Taxes.....	\$560 86
Tile paper.....	103 80
Traveling expenses.....	811 93
Use of Derrick.....	45 00
Wire rope.....	120 75

Total..... \$51,659 35

Aqueduct—Repairs, Maintenance, and Strengthening—Salaries—

Pay-rolls.....	\$5,322 94
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Boulevards, Roads, and Avenues, and Maintenance, for 1881—

Coal.....	\$43 75
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Boulevards, Roads, and Avenues, Maintenance—

Cement.....	\$39 50
Gravel.....	792 68
Horsekeeping.....	106 50
Lumber.....	245 25
Paints and oils.....	133 86
Pay-rolls.....	18,059 40
Repairing harness.....	9 15
“ roller.....	42 00
“ sprinklers.....	166 79
“ truck.....	53 46
Stone chips.....	727 72
Supplies and tools.....	241 82

Total..... \$20,618 13

Boulevards, Roads, and Avenues—Maintenance—Salaries—

Pay-rolls.....	\$700 00
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Construction, etc.—Additional public bath, for 1881—	
Completing bath.....	\$8,739 00
Contingencies—Department of Public Works—	
Auctioneer's commissions.....	\$64 19
Incidental expenses.....	500 00
Pay-roll.....	64 60
Stenographing, etc.....	513 10
Traveling expenses.....	149 62
Total.....	\$1,291 51
County Court-house, Completion of—For 1880—	
Repairing sash.....	\$26 25
Repairing smoke pipe.....	46 95
Slate, mantel, and hearth.....	55 75
Total.....	\$128 95
Expense of laying four-foot Croton mains, for 1880—	
Tenth avenue, between Eighty-fifth street and Central Park.....	\$1,114 64
Expenses of Surveying, Laying out, etc.—	
Pay-rolls.....	\$1,256 78
Fitting up Fifth Regiment Armory, Essex Market, for 1881—	
Completing work.....	\$3,000 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property—	
Bellevue Hospital.....	\$26 04
Pay-rolls.....	260 00
Total.....	\$286 04
Free Floating Baths for 1881—	
Carpenter work.....	\$783 05
Painting baths.....	699 55
Total.....	\$1,482 60
Free Floating Baths for 1882—	
Painting baths.....	\$2,000 00
Repairing tanks.....	989 00
Supplies.....	917 09
Towing baths.....	360 00
Total.....	\$4,266 09
Free Floating Baths—Salaries—	
Pay-rolls.....	\$3,908 50
Fulton Market—Alterations and Repairs for 1881—	
Architect services.....	\$635 15
Cast iron fenders.....	313 50
Completing contract.....	11,250 00
Extra work—Stairways.....	841 80
Total.....	\$13,040 45
Fulton Market—Alterations and Repairs—	
Architect services.....	\$2,072 27
Carpenter work.....	783 41
Inspection.....	420 00
Laying Asphalt pavement.....	2,080 00
Putting in gas pipe.....	707 07
Total.....	\$6,062 75
Lamps and Gas and Electric Lighting—	
Atlas of city.....	\$25 00
Columns.....	240 00
Gas examinations.....	312 50
Lamp globes and tops.....	750 00
“ irons.....	150 00
“ posts.....	3,414 00
Lamps.....	2,900 00
Lighting Armory, Battery E.....	69 30
“ “ Battery K.....	18 38
“ “ Seventh Regiment.....	500 46
“ “ Eighth Regiment.....	250 95
“ “ Ninth Regiment.....	427 01
“ “ Eleventh Regiment.....	115 85
“ “ Twelfth Regiment.....	178 67
“ “ Twenty-second Regiment.....	347 89
“ “ Sixty-ninth Regiment.....	459 20
“ “ Seventy-first Regiment.....	195 99
“ “ Brown-stone Building.....	38 67
“ “ City Hall.....	393 40
“ “ County Jail.....	484 92
“ “ Court, Civil, 1st District.....	54
“ “ “ 2d “.....	14 17
“ “ “ 4th “.....	19 26
“ “ “ 5th “.....	14 52
“ “ “ 6th “.....	4 02
“ “ “ 8th “.....	3 16
“ “ “ 9th “.....	3 16
“ “ Court, Police, 1st “.....	192 85
“ “ “ 2d “.....	89 43
“ “ “ 3d “.....	80 14
“ “ “ 4th “.....	57 23
“ “ “ 5th “.....	49 95
“ “ Court, Special Sessions.....	17
“ “ Court-house, 3d District.....	279 65
“ “ “ New.....	1,059 45
“ “ Department of Public Works.....	189 00
“ “ Engine-house, High Bridge.....	123 07
“ “ “ Ninety-eighth street.....	188 10
“ “ Market, Catharine.....	27 13
“ “ “ Centre.....	241 85
“ “ “ Clinton.....	141 22
“ “ “ Essex.....	77 17
“ “ “ Fulton.....	536 20
“ “ “ Jefferson.....	100 27
“ “ “ Tompkins.....	247 10
“ “ “ Union.....	6 83
“ “ “ Washington.....	379 04
“ “ Office, Assessment Commission.....	4 20
“ “ “ Corporation Attorney.....	59 33
“ “ “ Tax Receiver.....	246 75
“ “ Photometrical Rooms.....	40 77
“ “ Rivington Street Yard.....	2 97
“ “ South Gate-house.....	9 44
“ “ Streets, Brush Electric Illuminating Company.....	2,673 52
“ “ “ Central Gas-light Company.....	13,930 81
“ “ “ Harlem Gas-light Company.....	24,852 58
“ “ “ Manhattan Gas-light Company.....	29,462 74
“ “ “ Metropolitan Gas-light Company.....	20,669 96
“ “ “ New York Gas-light Company.....	16,488 33
“ “ “ New York Mutual Gas-light Company.....	3,906 56
“ “ “ Northern Gas-light Company.....	9,526 26
“ “ “ Yonkers Gas-light Company.....	2,024 53
Pay-rolls.....	454 00
Photometrical supplies.....	76 37
Rent of Photometrical offices.....	240 00

Lamps and Gas and Electric Lighting—	
Repairing registers.....	\$90 00
Traveling expenses.....	62 50
Total.....	\$140,278 29
Lamps and Gas—Electric Lighting—Salaries—	
Pay-rolls.....	\$1,450 98
Laying Croton Pipes, for 1880—	
Washington street.....	\$396 79
Laying Croton Pipes for 1881—	
Cast-iron pipe.....	\$14,893 95
Damage to gas-mains.....	78 75
Maiden lane, etc.....	7,062 12
One Hundred and Thirty-seventh, One Hundred and Sixty-sixth, etc., streets.....	2,483 36
Total.....	\$24,518 18
Laying Croton Pipes—	
Cast-iron pipe.....	\$30,441 70
Changing taps.....	67 90
Hydrants.....	4,030 00
Laying pipe, Blackwell's Island.....	5,148 22
“ “ St. Nicholas avenue, etc.....	178 44
“ “ Sixth avenue, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.....	2,209 50
“ “ Fifteenth, Twenty-second streets, etc.....	542 02
“ “ Twenty-second street, between Seventh and Eighth avenues.....	804 55
“ “ Eighty-seventh street, between Ninth and Tenth avenues.....	275 65
“ “ One Hundred and Third street, between First and Second avenues.....	378 35
“ “ One Hundred and Fourth street, between First and Avenue A.....	432 84
“ “ One Hundred and Fifteenth street, between Fifth and Sixth avenues.....	221 40
“ “ One Hundred and Thirty-fourth street, etc.....	196 83
“ “ One Hundred and Sixtieth street, west of Tenth avenue.....	448 85
“ “ One Hundred and Sixty-fourth street, etc.....	9 90
Office supplies.....	3,137 23
Pay-rolls.....	557 17
Placing fire-hydrants.....	529 19
Relaying gas-mains.....	1,575 00
Stop-cock boxes and covers.....	78 67
Traveling expenses.....	
Total.....	\$51,580 71
Laying Croton Pipes—Salaries—	
Pay-rolls.....	\$3,653 99
Public Buildings—Construction and Repairs for 1881—	
Armory Fifth Regiment.....	\$91 50
Brown Stone Building.....	2,889 81
Total.....	\$2,981 31
Public Buildings—Construction and Repairs—	
Armory, Fifth Regiment.....	\$1,906 87
“ “ Ninth Regiment.....	94 25
“ “ Eleventh Regiment.....	158 69
“ “ Sixty-ninth Regiment.....	56 42
Brown Stone Building.....	1,377 97
Bureau of Repairs and Supplies.....	190 18
City Hall.....	1,717 63
City Prison.....	60 22
County Jail.....	101 59
Court, Civil, 1st District.....	614 77
“ “ “ 5th “.....	533 13
“ “ “ Police, 1st “.....	1,114 08
“ “ “ “ 3d “.....	29 25
“ “ “ “ 5th “.....	6 39
Court-house, 3d District.....	204 80
“ “ “ 5th “.....	563 72
“ “ “ 7th “.....	55 14
“ “ “ New County.....	1,003 82
Market, Clinton.....	75 43
“ “ Essex.....	1,014 19
“ “ Tompkins.....	21 91
“ “ Washington.....	448 00
No. 49 Beekman street.....	113 10
No. 31 Chambers street.....	1,456 20
Pay-rolls.....	716 00
Register's Office.....	113 74
Total.....	\$13,747 49
Public Drinking Hydrants—	
Drinking fountains.....	\$481 50
Putting in and repairing hydrants.....	2,107 73
Total.....	\$2,589 23
Removing Obstructions in Streets and Avenues—	
Traveling expenses.....	\$62 50
Trucking and labor.....	1,330 85
Total.....	\$1,393 35
Removing Obstructions in Streets and Avenues—Salaries—	
Pay-rolls.....	\$1,110 00
Repairing and Renewal of Pipes, Stop-cocks, etc.—	
Cement.....	\$16 00
Oil.....	63 13
Pay-rolls.....	31,860 58
Stop-cock boxes and covers.....	1,780 20
Stop-cocks.....	1,743 00
Supplies and tools.....	1,021 78
Traveling expenses.....	52 75
Wood and coke.....	90 00
Total.....	\$36,627 44
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries—	
Pay-rolls.....	\$19,270 46
Repairs and Renewal of Pavements, and Regrading—	
Belgian blocks.....	\$155 43
Excavating rock.....	625 00
Horsekeeping.....	93 60
Pay-rolls.....	23,411 44
Repairing pavement.....	113 00
“ “ wagons.....	77 36
Sand.....	375 00
Tools and repairing.....	1,067 92
Trucking stone.....	415 60
Total.....	\$26,334 35
Repairs and Renewal of Pavements, and Regrading—Salaries—	
Pay-rolls.....	\$1,472 00
Repaving Streets and Avenues, for 1880—	
First Avenue, between Houston and Eighth streets.....	\$1,191 18

Repaving Streets and Avenues, for 1881—	
Avenue A, between Houston and Seventh streets.....	\$714 56
First avenue, between Twenty-third and Thirtieth streets.....	1,095 81
Broadway, between Seventeenth and Twenty-second streets.....	5,588 32
Broome and Carmine streets.....	762 52
Christopher street.....	1,054 89
Pike and Rutgers streets.....	14,422 80
Rivington street.....	627 44
Fifteenth and Thirtieth streets.....	841 58
Thirty-third street, between Livingston place and First avenue.....	569 43
Thirty-third, Thirty-sixth, and Fifty-fourth streets.....	1,075 60
Total.....	\$26,752 95
Repaving Streets and Avenues—	
Livingston place and Thirty-seventh street.....	\$6,131 75
Third street, between Avenue B and Goerck street.....	3,139 50
Fourth street, between avenue B and Avenue D.....	10,462 39
Thirteenth street, between Fifth and Sixth avenues.....	7,171 21
Twenty-fifth street between First and Second avenues.....	4,061 38
Twenty-ninth street, between Broadway and Seventh avenue.....	7,213 34
Thirtieth street, between Ninth and Eleventh avenues.....	9,160 00
Roosevelt street, between Chambers and Front streets.....	7,607 85
Total.....	\$54,947 46
Repaving Streets and Avenues—Salaries—	
Pay-rolls.....	\$3,210 18
Roads, Streets and Avenues, Unpaved—Maintenance of and Sprinkling—	
Pay-rolls.....	\$5,475 12
Repairing tools.....	65 75
Supplies.....	110 87
Traveling expenses.....	84 00
Total.....	\$5,735 74
Salaries Department of Public Works—	
Pay-rolls.....	\$20,965 69
Sewerage System—Salaries—	
Pay-rolls.....	\$4,688 95
Sewers—Repairing and Cleaning—	
Basin heads and gutter stones.....	\$1,610 00
Branch sewer pipe.....	225 00
Brick and cement.....	172 50
Cleaning sewers.....	830 50
Horsekeeping.....	112 00
Manhole covers.....	377 23
Pay-rolls.....	14,267 36
Repairing basins.....	4,571 44
Repairing sewers.....	10,357 61
Sand.....	22 50
Tools.....	59 50
Traveling expenses.....	334 66
Use of horse and wagon.....	237 00
Total.....	\$33,177 30
Sewers—Repairing and Cleaning—Salaries—	
Pay-rolls.....	\$3,579 48
Street Improvements for Surveying, Monumenting and Numbering Streets—	
Pay-rolls.....	\$289 26
Repairing sidewalks.....	25 00
Total.....	\$314 26
Supplies for and Cleaning Public Offices—	
Armory, Regiment, 7th.....	\$115 00
“ “ 11th.....	62 00
“ “ 22d.....	136 00
“ “ 69th.....	77 52
Brown Stone Building.....	366 00
Bureau of Repairs and Supplies.....	548 29
City Hall.....	875 05
County Jail.....	120 27
Court, Civil, 1st District.....	216 60
“ 2d “.....	36 67
“ 3d “.....	157 00
“ 4th “.....	7 70
“ 5th “.....	36 00
“ 6th “.....	4 05
“ 7th “.....	42 00
“ 8th “.....	31 99
“ 9th “.....	56 25
“ 1st “.....	240 55
“ 3d “.....	109 81
“ 5th “.....	104 60
“ 6th “.....	8 00
Court, Common Pleas.....	39 00
“ General Sessions.....	201 70
“ Special Sessions.....	137 03
Court-house, 3d District.....	18 00
“ New County.....	1,824 49
Department of Finance.....	52 00
“ Public Works.....	355 42
“ Taxes and Assessments.....	6 00
Office of Assessment Commission.....	6 25
“ Commissioner of Accounts.....	57 87
“ Corporation Attorney.....	121 15
“ Corporation Counsel.....	15 00
“ County Clerk.....	360 72
“ District Attorney.....	150 40
“ Mayor.....	74 50
“ Public Administrator.....	19 99
“ Register.....	14 94
Pay-rolls.....	13,607 98
Total.....	\$20,413 78
Supplies for and Cleaning Public Offices—Salaries—	
Pay-rolls.....	\$6,187 23
Surveys, Maps, etc., for Street Openings—	
Pay-rolls.....	\$122 20
Supplying Water to Shipping and for Building Purposes—Salaries—	
Pay-rolls.....	\$2,297 00
Water Supply for the Twenty-fourth Ward, for 1881—	
Laying Water-pipes.....	\$2,647 62
Water Supply for the Twenty-fourth Ward—	
Laying Water-pipes.....	\$975 00
Pay-rolls.....	696 50
Supplying water.....	247 22
Total.....	\$1,918 72

RECAPITULATION OF APPROPRIATIONS.	
Aqueduct—Repairs, Maintenance, and Strengthening, 1881.....	\$2,343 42
" " " Salaries.....	51,659 35
Boulevard, Roads, and Avenues—Maintenance, 1881.....	5,322 94
" " " Salaries.....	43 75
Construction and Maintenance Additional Public Bath, 1881.....	20,618 13
Contingencies—Department of Public Works.....	700 00
County Court-house—Completion of, 1880.....	8,739 00
Expense of Laying four-foot Croton-mains, 1880.....	1,291 51
Exp.nse of Surveying, Laying-out, etc.....	128 95
Fitting-up Fifth Regiment Armory, Essex Market, 1881.....	1,114 64
Flagging Sidewalks and Fencing Vacant Lots, etc.....	1,250 78
Free Floating Baths, 1881.....	3,000 00
" " Salaries.....	286 04
Fulton Market—Alterations and Repairs, 1881.....	1,482 60
Lamps and Gas.....	4,266 09
" " Salaries.....	3,908 50
Laying Croton Pipes, 1880.....	13,040 45
" " 1881.....	6,062 75
Public Buildings—Construction and Repairs, 1881.....	140,278 29
Public Drinking Hydrants.....	1,450 98
Removing Obstructions in Streets and Avenues.....	396 70
" " Salaries.....	24,518
Repairing and Renewal of Pipes, Stop-cocks, etc.....	51,580 71
Repairs and Renewal of Pavements, etc.....	3,653 99
" " Salaries.....	2,981 31
Repaying Streets and Avenues, 1880.....	13,747 49
" " 1881.....	2,589 23
Roads, Streets, and Avenues unpaved—Maintenance and Sprinkling.....	1,395 35
Salaries—Department of Public Works.....	1,110 00
Sewerage system—Salaries.....	36,627 44
Sewers—Repairing and Cleaning.....	19,270 46
" " Salaries.....	26,334 35
Street Improvements for Surveying, Monumenting, etc.....	1,472 00
Supplies for and Cleaning Public Offices, etc.....	1,191 18
Surveys, Maps, etc., for Street Openings.....	26,752 95
Supplying Water to Shipping, etc—Salaries.....	54,947 46
Water Supply for the Twenty-fourth Ward, 1881.....	3,210 18
" " Salaries.....	5,735 74
Total.....	20,965 69
Funds and Trust Accounts—Croton Water Fund—	4,688 95
Cast-iron pipe.....	33,177 30
Coal.....	3,579 48
Counsel fees.....	314 26
Diamond bits.....	20,413 78
Drafting implements.....	6,187 23
Drill rods.....	122 20
Drill supplies.....	2,297 00
Horsekeeping.....	2,647 62
Land—damages.....	1,918 72
Laying pipe.....	
Lumber.....	
Office furniture.....	
Pay-rolls.....	
Printing.....	
Rent of mill seat.....	
Rent of office.....	
Repairing drill.....	
Repairing steam pump.....	
Reservoir on Bronx river.....	
Stenographing, etc.....	
Surveying instruments.....	
Tools and supplies.....	
Traveling expenses.....	
Use of drills.....	
Wood.....	
Total.....	\$640,819 21
Meter Stock—	
Water meters.....	\$9,220 32
Setting water meters.....	16 50
Total.....	5,439 52
Restoring and Repaving—Special Fund—	
Restoring pavement, etc.....	1,600 00
Street Improvement Fund—Curbing and Flagging—	
One Hundred and Twenty-second street, between Sixth and Seventh avenues....	297 25
Filling—	
Between One Hundred and Forty-third and One Hundred and Fifty-fifth streets, and between Eighth and Ninth avenues.....	413 70
Flagging—	
East side Fifth avenue, between Sixty-fifth and Sixty-sixth streets.....	4,553 69
Forty-third street, between Lexington and Fourth avenues.....	632 43
Eighty-first street, between Eighth and Ninth avenues.....	201 00
Paving—	
Fourth avenue, at intersection One Hundred and Fourth street.....	164,553 76
Tenth avenue, between One Hundred and Fifty-first and One Hundred and Fifty- fifth streets.....	74 94
Sixty-second street, between Tenth avenue and Boulevard.....	48 47
Sixty-eighth street, between Tenth avenue and Boulevard.....	33,775 21
Seventy-sixth street, between Madison and Fifth avenues.....	1,191 00
Seventy-eighth street, between First avenue and Avenue A.....	300 00
Eighty-first street, between First and Second avenues.....	75 00
Eighty-second street, between First and Second avenues.....	341 91
Eighty-third street, between Eighth avenue and Boulevard.....	41 48
Ninety-fourth street, between Third and Lexington avenues.....	19,874 11
Ninety-fourth street, between Madison and Fourth avenues.....	203 40
Ninety-sixth street, between Boulevard and Hudson river.....	193 40
One Hundred and Twelfth street, between Third and Fourth avenues.....	790 96
One Hundred and Twenty-seventh street, between Second and Third avenues....	861 36
One Hundred and Thirty-second street, between Fifth and Sixth avenues.....	1,336 67
Total.....	235 00
Receiving Basins—	
West side Fifth avenue, opposite One Hundred and Second street.....	\$246,277 08
Eighth avenue, northwest and southwest corners Seventy-third street.....	
Total.....	\$246,277 08
Meter Stock—	
Water meters.....	\$2,545 50
Setting water meters.....	3,795 44
Total.....	\$6,340 94
Restoring and Repaving—Special Fund—	
Restoring pavement, etc.....	\$6,113 50
Street Improvement Fund—Curbing and Flagging—	
One Hundred and Twenty-second street, between Sixth and Seventh avenues....	\$2,221 18
Filling—	
Between One Hundred and Forty-third and One Hundred and Fifty-fifth streets, and between Eighth and Ninth avenues.....	\$3,927 00
Flagging—	
East side Fifth avenue, between Sixty-fifth and Sixty-sixth streets.....	\$248 64
Forty-third street, between Lexington and Fourth avenues.....	518 33
Eighty-first street, between Eighth and Ninth avenues.....	207 84
Total.....	\$974 81
Paving—	
Fourth avenue, at intersection One Hundred and Fourth street.....	\$53 22
Tenth avenue, between One Hundred and Fifty-first and One Hundred and Fifty- fifth streets.....	3,904 61
Sixty-second street, between Tenth avenue and Boulevard.....	8,565 05
Sixty-eighth street, between Tenth avenue and Boulevard.....	96 50
Seventy-sixth street, between Madison and Fifth avenues.....	1,403 70
Seventy-eighth street, between First avenue and Avenue A.....	193 54
Eighty-first street, between First and Second avenues.....	207 20
Eighty-second street, between First and Second avenues.....	3,562 56
Eighty-third street, between Eighth avenue and Boulevard.....	701 89
Ninety-fourth street, between Third and Lexington avenues.....	137 20
Ninety-fourth street, between Madison and Fourth avenues.....	1,984 05
Ninety-sixth street, between Boulevard and Hudson river.....	759 20
One Hundred and Twelfth street, between Third and Fourth avenues.....	282 90
One Hundred and Twenty-seventh street, between Second and Third avenues....	188 60
One Hundred and Thirty-second street, between Fifth and Sixth avenues.....	284 67
Total.....	\$22,324 89
Receiving Basins—	
West side Fifth avenue, opposite One Hundred and Second street.....	\$1,051 84
Eighth avenue, northwest and southwest corners Seventy-third street.....	42 45
Total.....	\$1,094 29

Regulating, Grading, etc.—

Fourth avenue, between Ninety-sixth and One Hundred and Second streets.....	\$10,089 67
Ninth avenue, between Eighty-first and One Hundred and Tenth streets.....	7,512 40
Ninth avenue, between One Hundred and Fiftieth street and Avenue St. Nicholas.....	119 75
Sixty-sixth street, between Eighth avenue and Boulevard.....	1,115 10
Seventy-third street, between Third avenue and East river.....	11,151 73
Eighty-first street, between Boulevard and Riverside Drive.....	4,258 35
Eighty-first street, between Eighth and Ninth avenues.....	200 30
Eighty-fifth street, between Ninth and Tenth avenues.....	1,512 70
Eighty-eighth street, between Tenth and Riverside avenues.....	1,274 00
Ninety-fourth street, between Eighth avenue and Boulevard.....	4,263 85
Ninety-eighth street, between Third and Fourth avenues.....	14,484 25
One Hundred and First street, between Second and Third avenues.....	4,439 05
One Hundred and Sixth street, between Fifth and Madison avenues.....	998 29
One Hundred and Thirteenth street, between Fifth and Eighth avenues.....	8,085 00
One Hundred and Thirteenth street, between Fourth and Fifth avenues.....	1,154 80
One Hundred and Fifteenth street, between Tenth and Morningside avenues.....	1,343 37
One Hundred and Seventeenth street, between Fifth and Sixth avenues.....	1,339 42
One Hundred and Nineteenth street, between Sixth and Seventh avenues.....	2,618 00
One Hundred and Twenty-fifth street, between Manhattan street and Boulevard.....	1,050 28
One Hundred and Twenty-ninth street, between Sixth and Seventh avenues.....	759 10
One Hundred and Fifty-second street, between Ninth and St. Nicholas avenues.....	816 64
One Hundred and Fifty-third street, between Ninth and St. Nicholas avenues.....	831 34
One Hundred and Fifty-third street, between Tenth and St. Nicholas avenues.....	131 59
One Hundred and Seventy-fifth street, between Tenth avenue and Kingsbridge road.....	2,217 60
Total.....	\$81,766 28

Sewers—

Lexington avenue, between Thirtieth and Thirty-ninth streets.....	\$11 10
Madison avenue, between One Hundred and Nineteenth and One Hundred and Twenty-first streets.....	6,436 16
Park avenue, between Thirty-fifth and Thirty-sixth streets.....	778 80
Riverside avenue, between Seventy-sixth and Ninety-second streets.....	1,587 60
Riverside avenue, between Ninety-second and One Hundred and Sixth streets.....	2,017 19
Riverside avenue, between One Hundred and Sixth and One Hundred and Eleventh streets.....	1,963 78
Riverside avenue, between One Hundred and Eleventh and One Hundred and Twenty-second streets.....	4,924 85
Riverside and Twelfth avenues, between One Hundred and Twenty-second and Manhattan streets.....	3,308 55
West End avenue, between Ninety-first and Ninety-sixth streets.....	1,134 00
West End avenue, between Ninety-sixth and One Hundred and Fifth streets.....	1,598 80
Avenue B, between Sixteenth and Seventeenth streets.....	54 30
First avenue, between Forty-sixth and Forty-seventh streets.....	60 30
Second avenue, between Sixtieth and Sixty-first streets.....	127 50
Second avenue, between Ninety-fifth and Ninety-sixth streets.....	3,198 58
Fourth avenue, between Eighty-second and Eighty-third streets.....	1,134 75
Fourth avenue, between One Hundred and Second and One Hundred and Third streets.....	2,371 48
Ninth avenue, between One Hundred and Forty-eighth and One Hundred and Fifty-second streets.....	312 30
Ninth avenue, between One Hundred and Fifty-second and One Hundred and Fifty-fifth streets.....	3,430 82
Cherry street, between Corlears and Jackson streets.....	2,939 45
Front street, between Beekman and Fulton streets.....	66 00
Front street, between Broad street and Old slip.....	2,865 10
Montgomery street, between Madison and Monroe streets.....	71 70
Pearl street, between Coenties and Old slips.....	61 20
Water street, between Dover and Roosevelt streets.....	73 80
West street, between Spring and West Eleventh streets.....	4,406 50
Twenty-third street, between Eleventh and Thirteenth avenues.....	8,214 36
Fifty-seventh street, between Fifth and Madison avenues.....	65 10
Sixty-eighth street, between Eighth avenue and Boulevard.....	3,315 87
Sixty-ninth street, between Eighth and Ninth avenues.....	210 60
Seventieth street, between Boulevard and Ninth avenue.....	2,602 08
Seventy-third street, between First and Third avenues.....	1,646 75
Seventy-sixth street, between Eighth and Tenth avenues.....	468 00
Seventy-eighth street, between Ninth and Tenth avenues.....	1,538 08
Eightieth and Eighty-first streets, between Avenues A and B.....	547 20
Eighty-first street, between Tenth avenue and Summit E.....	184 20
Eighty-second street, between Eighth and Tenth avenues.....	2,495 50
Eighty-second street, between First avenue and Avenue B.....	429 90
Eighty-seventh street, between Ninth and Tenth avenues.....	1,421 00
One Hundred and First street, between Tenth avenue and Boulevard.....	80 40
One Hundred and Second street, between Third and Lexington avenues.....	128 70
One Hundred and Sixth street, between Summit E of Tenth and New avenues.....	5,728 32
One Hundred and Twelfth street, between Madison and Sixth avenues.....	346 80
One Hundred and Thirteenth street, between Seventh and Eighth avenues.....	203 70
One Hundred and Nineteenth street, between Sixth and Seventh avenues.....	202 80
One Hundred and Nineteenth street, between Sixth avenue and Summit E.....	2,137 16
One Hundred and Twentieth street, between Fifth and Sixth avenues.....	2,868 25
One Hundred and Twenty-third street, between Fourth and Madison avenues.....	1,570 30
One Hundred and Twenty-third street, between Tenth and St. Nicholas avenues.....	3,915 04
One Hundred and Fifty-eighth street, at Hudson river.....	3,260 52
Total.....	\$88,515 24

Pay-rolls, Engineers, Sewers

Inspectors, Paving.....	\$6,441 32
Inspectors, Regulating, Grading, etc.....	1,536 50
Inspectors, Sewers.....	8,562 00
Surveyors.....	11,280 00
Total.....	4,868 90

Street Improvements above Fifty-ninth street—Morningside avenue West—

Pay-roll.....	\$93 05
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RECAPITULATION OF FUNDS.

Croton Water Fund.....	\$246,277 08
Meter Stock.....	6,340 94
Restoring and Repaving.....	6,113 50
Street Improvement Fund—	
Curbing and flagging.....	\$2,221 18
Filling.....	3,927 00
Flagging.....	974 81
Paving.....	22,324 89
Receiving-basins.....	1,094 29
Regulating, grading, etc.....	81,766 28
Sewers.....	88,515 24
Pay-rolls, Engineers, sewers.....	6,441 32
Inspectors, paving.....	1,536 50
Inspectors, regulating, grading, etc.....	8,562 00
Inspectors, sewers.....	11,280 00
Surveyor's fees.....	4,868 90
Total.....	233,512 41
Street Improvements above Fifty-ninth street.....	93 05
Total.....	\$492,336 98

GENERAL SUMMARY.

Appropriations.....	\$640,819 21
Funds and Trust Accounts.....	492,336 98
Grand Total.....	\$1,133,156 19

Document "C."

Contracts entered into during the Three Months ending June 30, 1882.

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
Apr. 3	Receiving basins on west side of Fifth avenue opposite One Hundred and Second street.....	Vincent Clark, 524 E. 87th street...	James Clark, 524 E. 87th street... Thomas J. Crombie, 164 E. 85th street... Bernard Kelly, 801 Second avenue... Michael Dempsey, 313 E. 24th street... Wm. H. Adams, 351 Second avenue... James R. Candler, 235 E. 53d street... William Hullahan, 347 W. 53d street... John Davidson, 128 E. 52d street...	\$1,200 65
" 14	Sewer in Fourth or Park avenue, east side, between Thirty-fifth and Thirty-sixth streets, from end of present sewer.....	John McManus, 2134 Second avenue.		1,591 00
" 17	Sewer in Seventy-second street, between Avenue A and First avenue, from end of present sewer.....	John Brady, 288 S. 2d st., B'klyn.		5,313 30
" 27	Sewer in One Hundred and Twelfth street, bet. Seventh and Eighth avenues.....	John Slattery, 788 Fourth avenue..		2,860 00
" 27	Sewer in One Hundred and Twentieth street, between Fifth and Sixth avenues, in One Hundred and Twenty-first and One Hundred and Twenty-second streets, between Mt. Morris square and Sixth avenue.....	John Slattery, 788 Fourth avenue..	William Hullahan, 347 W. 53d street... John Davidson, 128 E. 52d street...	10,917 00
" 27	Sewer in Front street, between Old Slip and Cuyler's alley.....	Edward Bradburn, 437 E. 88th street...	John Murphy, 235 Lexington ave... Bernard Maloney, 123 E. 116th street... James Clark, 1560 Second avenue... John McQuade, 1328 Lexington ave... Matthew Baird, 306 E. 57th street... Charles R. Tarfitt, 807 Lexington ave... Patrick Sheehy, 251 E. 83d street... Thomas Regan, 858 Third avenue... John B. Bromhead, 222 E. 76th street... John G. Houston, 142d st. and Willis av.	2,020 75
May 9	Sewer in Seventy-fifth street, between West End avenue and Boulevard.....	Vincent Clark, 1569 Second avenue.		3,707 80
" 17	Sewer in Seventy-second street, between Eighth and Ninth avenues.....	James Baird, 310 E. 57th street...		8,000 00
" 18	Sewer in Montgomery street, between Cherry and Water streets, from end of present sewer in Water street.....	Patrick Reilly, 249 E. 56th street...		797 50
" 19	Sewer in Ninety-fourth street, between Ninth and Tenth avenues.....	Virgilio Del Genovese, 268 Bowery.....		10,799 22
" 19	Sewer in West End avenue, formerly Eleventh avenue, between Seventy-sixth and Eighty-ninth streets, and in Eightieth street, between Boulevard and Riverside avenue.....	Virgilio Del Genovese, 268 Bowery.....	John B. Bromhead, 222 E. 76th street... John G. Houston, 142d st. and Willis av.	65,169 00
" 24	Sewer in Seventy-eighth street, between Tenth avenue and Boulevard.....	Bernard Mahon, 17 Warren street....	Allan A. Irvine, 17 Warren street... Louis de Abrisqueta, 438 W. 22d street...	3,797 30
" 24	Sewer in West End avenue, formerly Eleventh avenue, between Sixty-fifth and Sixty-sixth streets, and in Sixty-fifth street, between West End avenue and Tenth avenue.....	Andrew D. Campbell, 408 E. 78th street....	James King, 1420 Second avenue... Patrick Cunningham, 82 First avenue....	15,870 00
				\$132,043 52
Regulating, Grading, etc.				
April 4	Regulating and grading One Hundred and Fifty-third street, from a line 70 ft. east of and parallel of the east curb of Seventh avenue, to the east line of the First New avenue west of Eighth avenue.....	Patrick Farley, 164 E. 63d street....	Terrence Farley, 165 E. 61st street... John T. Farley, 165 E. 61st street...	\$23,435 30
" 6	Regulating and grading One Hundred and Sixth street, from the west curb of Madison avenue to east curb of Fifth avenue.....	William Phelan, Walton avenue and 162d street....	Norman Andrus, 116th st., bet. Av. A & N.R. Anthony McOwen, Robbins avenue.... Norman Andrus, 116th st., bet. Av. A & N.R. Anthony McOwen, Robbins avenue.... Thomas McManus, 709 Lexington av.... Robert Boyd, 350 E. 82d street.... Louis de Abrisqueta, 232 W. 22d street... John C. Wandell, 335 E. 31st street... Thomas Crimmins, 252 E. 60th street... John D. Crimmins, 40 E. 68th street... Charles R. Tarfitt, 807 Lexington avenue Matthew Baird, 306 E. 57th street... Charles R. Tarfitt, 807 Lexington avenue Matthew Baird, 306 E. 57th street... Sheridan Shook, Morton House.... John Nesbit, 37th street & 1st av... Terrence Farley, 165 E. 61st street... John T. Farley, 165 E. 61st street... John D. Meagher, 235 E. 29th street... Christopher Keyes, 2115 3d avenue.... Theodore F. Tone, 130th street & N. R. John Becker, 10th av. & Manh' st. Theodore F. Tone, 130th street & N. R. Isaac A. Hopper, 211 W. 123d street... Theodore F. Tone, 130th street & N. R. Isaac A. Hopper, 211 W. 123d street... Charles R. Tarfitt, 807 Lexington avenue Matthew Baird, 306 E. 57th street... Henry Tone, 114th street & 10th av William Hullahan, 347 W. 53d street... Henry Tone, 114th street & 10th av. William Hullahan, 347 W. 53d street... John McQuade, 1328 Lexington av... James Clark, 1569 2d avenue.... William H. Adams, 351 2d avenue.... James R. Candler, 235 E. 33d street... Theodore F. Tone, 130th st. and N. river. James Pettit, Manhattan st., bet. 10th av. and B'way. Charles Jones, 138th st. and Alex. av Michael Brennan, 425 West 57th street.	1,218 80
" 6	Regulating and grading One Hundred and Eighteenth street, from west curb of Sixth avenue to east curb of Seventh avenue, etc.....	William Phelan, Walton avenue and 162d street....		5,338 00
" 19	Regulating and grading Ninety-eighth street, from the west curb of Second avenue to the east curb of Third avenue, etc.....	D. K. Gallagher.....		3,756 00
" 21	Regulating and grading Ninety-third street, from the west curb of the Boulevard to the east line of West End avenue, etc.....	A. A. Irvine & E. W. Lynch, 17 Warren street....		2,884 60
" 25	Regulating and grading First avenue, from north curb of Ninety-second street to south curb of One Hundred and Ninth street, etc.....	Thomas E. Crimmins, 203 East 61st street..		20,651 80
May 3	Regulating and grading One Hundred and Fifth street, from west curb of Third avenue to east curb of Fourth avenue, etc.....	James Baird, 310 E. 57th street....		1,323 20
" 3	Regulating and grading Eighty-seventh street, from west curb of Tenth avenue, to east curb of Boulevard, etc.....	James Baird, 310 E. 57th street....		2,345 60
" 19	Regulating and grading One Hundred and Fifth street, from west curb of Fourth avenue to east curb of Fifth avenue, etc.....	James Everard, Hoffman House....		4,165 75
" 22	Regulating and grading One Hundred and Fifteenth street, from west curb of Boulevard to east line of Riverside drive, etc.....	Patrick Farley, 164 E. 63d street....		7,896 50
" 29	Setting curb-stones and flagging One Hundred and Sixth street, from the west curb of Madison avenue to the east curb of Madison avenue.....	Hugh Duffy, 417 E. 74th street....		1,660 40
June 3	Regulating and grading One Hundred and Fifty-ninth street, from west curb of Tenth avenue to east curb of Eleventh avenue, etc.....	James Reilly, 127th street & B'way.		8,329 00
" 5	Setting curb-stones and flagging One Hundred and Thirteenth street, from west curb of Fourth avenue to east curb of Fifth avenue.....	Thomas Murray, 130th street & B'way.		2,054 60
" 5	Setting curb-stones and flagging One Hundred and Seventeenth street, from west curb of Fifth avenue to east curb of Sixth avenue.....	Thomas Murray, 130th street & B'way.		3,277 50
" 12	Regulating and grading Seventy-first street, from west curb of Boulevard to east curb of Eleventh avenue, etc.....	James Baird, 310 E. 57th street....		4,783 50
" 13	Setting curb-stones and flagging Eighty-seventh street, from west curb of Eighth avenue to east curb of Tenth avenue.....	James Slattery, 218 W. 57th street...		5,811 28
" 13	Regulating and grading Eighty-ninth street, from west curb of Eighth avenue to east curb of Tenth avenue, etc.....	James Slattery, 218 W. 57th street...		27,538 00
" 14	Regulating and grading One Hundred and Fifty-third street, from west curb of Tenth avenue to east curb of Boulevard, etc.....	Vincent Clark, 1569 2d avenue....		4,818 20
" 20	Regulating and grading Ninth avenue, from One Hundred and Fifty-first to One Hundred and Fifty-fifth street.....	John Brady, 288 S. 2d St., B'klyn.		4,418 40
" 26	Regulating and grading One Hundred and Forty-first street, from west curb of Avenue St. Nicholas to east curb of Tenth avenue, etc.	James Reilly, 127th st. and B'way.		10,934 80
" 26	Regulating, grading, etc., Morningside avenue, from One Hundred and Tenth street to Tenth avenue	James W. O'Grady....		60,599 10
				\$267,240 33

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.	DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
<i>Paving.</i>					April 12	Paving Roosevelt street, between Chatham and Front streets.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	\$7,826 00
Apr. 20	Paving Forty-fifth street, from Eleventh to Twelfth avenue, with trap-block pavement.....	T. P. Crawford, 16 Court st., B'klyn.	Robert Furey, 149 Prospect pl., B'lyn J. S. Crawford, 121 McDougal street.	\$5,479 36	" 12	Paving Thirtieth street, from Ninth to Eleventh avenue.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	9,772 50
" 20	Paving Seventy-fifth street, from First avenue to Avenue A, with trap-block pavement.....	T. P. Crawford, 16 Court st., B'klyn.	Robert Furey, 149 Prospect pl., B'lyn J. S. Crawford, 121 McDougal street.	4,414 12	" 12	Paving Seventeenth street, from Sixth to Eighth avenue.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... James Slattery, 218 W. 57th street... John H. Boessennecker, 552 11th avenue.....	9,575 70
" 20	Paving Ninety-fifth street, from Third to Lexington avenue, with trap-block pavement.....	T. P. Crawford, 16 Court st., B'klyn.	Robert Furey, 149 Prospect pl., B'lyn J. S. Crawford, 121 McDougal street.	2,970 24	" 13	Paving Twenty-seventh street, between Sixth and Eighth avenues, with trap-block pavement.....	Denis McGrath, Weehawken, N. J....	James Slattery, 218 W. 57th street... John H. Boessennecker, 552 11th avenue.....	9,477 51
" 20	Paving Sixty-ninth street, from First avenue to Avenue A, with trap-block pavement.....	T. P. Crawford, 16 Court st., B'klyn.	Robert Furey, 149 Prospect pl., B'lyn J. S. Crawford, 121 McDougal street.	4,361 12	" 13	Paving Twenty-ninth street, from Broadway to Seventh avenue, with trap-block pavement.....	Denis McGrath, Weehawken, N. J....	James Slattery, 218 W. 57th street... John H. Boessennecker, 552 11th avenue.....	7,654 50
" 21	Paving Eighty-seventh street, from Avenue A to First avenue, with trap-block pavement.....	Thomas Gearty, 415 East 85th street.	Edward Reilly, 1402 2d avenue..... James Reilly, 1475 1st avenue.....	3,927 00	" 13	Paving Thirty-sixth street, from Second to Third avenue, and Forty-fourth street, between Madison and Vanderbilt avenues.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 East 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	5,498 30
" 22	Paving, etc., Forty-second street, from Second to First avenue, with granite block pavement.....	Wm. A. Cumming, 5 Dey street.....	Alex. Milne, Foot East 29th street James Mulry, 309 East 12th street.	13,742 61	" 22	Paving City Hall place, between Chambers and Pearl streets, and William street, between New Chambers and Pearl streets.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	5,216 18
" 22	Paving One Hundred and Twelfth street, from Fourth to Madison avenue, with trap-block pavement.....	Wm. A. Cumming, 5 Dey street.....	Matthew Baird, 306 East 57th street. John McAndrew, Jr., 149 West 13th street.	2,856 03	" 22	Paving Horatio street, between Fourth and Thirteenth streets....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	9,640 00
" 24	Paving One Hundred and Twenty-second st., from Third to Fourth avenue, with trap-block pavement.....	Michael Shannon, 129 Hoboken av., N. J.	John McAndrew, Jr., 149 West 13th street. Matthew Baird, 306 East 57th street.	6,109 40	" 22	Paving Eighteenth street, between First and Third avenues.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	8,953 60
" 24	Paving One Hundred and Twenty-eighth st., from Sixth to Seventh avenue, with trap-block pavement.....	Michael Shannon, 129 Hoboken av., N. J.	John McAndrew, Jr., 149 West 13th street. Matthew Baird, 306 East 57th street.	4,865 15	May 16	Paving Fifty-fourth street, from Seventh to Eighth avenue.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	4,811 40
" 24	Paving One Hundred and Thirteenth street, from Second to Third avenue, with trap-block pavement.....	Michael Shannon, 129 Hoboken av., N. J.	John McAndrew, Jr., 149 West 13th street. Matthew Baird, 306 East 57th street.	3,905 65	" 16	Paving Vandewater street, between Frankfort and Pearl streets.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	2,424 40
" 24	Paving One Hundred and Thirtieth street, from Sixth to Eighth avenue, with trap-block pavement.....	Michael Shannon, 129 Hoboken av., N. J.	John McAndrew, Jr., 149 West 13th street. Matthew Baird, 306 East 57th street.	9,870 82	" 16	Paving Rose street, between Frankfort and Pearl streets, with granite-block pavement.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	3,054 70
" 24	Paving Sixty-second street, from Tenth avenue to Boulevard, with granite-block pavement.....	William Kelly, 609 West 47th street.	James Fitzpatrick, 529 West 42d street.	8,904 50	" 16	Paving North William street, between Frankfort and Chatham streets, with trap-block pavement.....	William A. Cumming, 5 Dey street.....	Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street... Alexander Milne, foot E. 29th street... James Mulry, 309 E. 12th street...	1,820 00
May 13	Paving Fifth avenue, from One Hundred and Tenth to One Hundred and Twentieth street; One Hundred and Twentieth street from Fifth avenue to Mt. Morris square, and Mt. Morris square, from One Hundred and Twentieth to One Hundred and Twenty-fourth street, with McAdam pavement.	Charles Guidet, 237 Broadway.	Thomas Pearson, 9 East 84th street. James Everard, 671 Washington street.	39,495 12	" 17	Paving Fourth street, from Broadway to Thirteenth street.....	John G. Smith, 329 W. 48th street...	L. W. Johnson, 414 W. 31st street... Matthew Baird, 306 E. 57th street... C. C. Ellis, 443 Ninth avenue...	33,280 00
" 16	Paving Sixty-seventh street, from Boulevard to Tenth avenue with trap-block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. Alexander Milne, Foot East 29th street.	3,041 10	" 25	Paving Morris street, between Greenwich and West streets, with granite-block pavement.....	William Kelly, 609 W. 47th street...	John Lynch, 265 W. 126th street... John G. Smith, 329 W. 48th street... Matthew Baird, 306 E. 57th street...	1,592 00
" 16	Paving Ninety-ninth street, from Third avenue to Exterior street with trap-block and granite pavement, etc.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. Alexander Milne, Foot East 29th street.	12,650 11	June 9	Paving Tenth avenue, from Forty-eighth to Fifty-ninth street, with granite-block pavement.....	L. W. Johnson.....	Matthew Baird, 306 E. 57th street... John G. Smith, 329 W. 48th street... Alexander Milne, foot E. 29th street...	41,998 00
" 18	Paving intersection of Eighty-first street and Ninth avenue with granite block pavement.....	Geo. F. Doak, 370 West 71st street.	Astor House..... Ransom Parker, Jr., 336 West 15th street.	1,280 00	<i>Laying Croton Water Main Contract.</i>				
" 18	Paving Twelfth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-third street with granite block pavement.....	George F. Doak, 370 West 71st street.	Astor House..... Ransom Parker, Jr., 336 West 15th street.	13,622 70	June 10	In Lexington and Twelfth avenues....	John Burke.....	Richard Evans, 51 Maiden Lane.... Patrick Horan, 54 Mulberry street...	\$2,754 50
" 22	Paving Tenth avenue from Seventy-second to Seventy-fourth street, with granite block pavement.....	Wm. Kelly, 609 West 47th street.	Theodore F. Flindreau, 450 West 43d street. V. F. Finley, 516 West 42d street.	8,857 80	<i>MISCELLANEOUS.</i>				
" 23	Paving One Hundred and Twenty-second street, from Sixth to Seventh avenue with granite block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	6,758 20	Apr. 17	Painting Baths Nos. 1, 2, 3 and 4.....	Patrick Shay, 11 Canal street.....	Justus B. Reese, 17 Canal street.... Wolf G. Isaac, 155 E. Broadway.... Justus B. Reese, 17 Canal street.... Wolf G. Isaac, 155 E. Broadway....	\$1,000 00
" 23	Paving One Hundred and Twenty-third street, from First to Second avenue with trap-block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	4,381 50	" 17	Painting Baths Nos. 5, 6, 7 and 8.....	Patrick Shay, 11 Canal street.....	Justus B. Reese, 17 Canal street.... Wolf G. Isaac, 155 E. Broadway.... Thomas F. White, 41 Peck slip..... Stephen Lovejoy, 31 Market street....	1,000 00
" 23	Paving intersection of One Hundred and Twelfth street and Fourth avenue with granite block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	1,434 54	May 18	Alteration and erection of portion of Fulton Market.....	Bernard Gallagher.....	James Williams, 242 E. 36th street.... Arthur Megginer, 22 E. 14th street.... Jacob T. Meday, 75 E. 54th street.... Thomas Scott, 10 Hubert street....	75,750 00
" 23	Paving One Hundred and Second street, from Third to Lexington avenue with trap-block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	2,995 72	" 25	Furnishing stop-cocks, stop-cock boxes, and hydrants.....	Guy C. Hotchkiss, Field & Co., 622 E. 14th street...	8,030 00	
" 23	Paving Seventieth street, from Third to Second avenue with trap-block pavement.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	4,883 92	June 23	Contracting on iron footbridge at Fourth avenue and Forty-first street, etc.....	Brown & Whitney, 54 William street....	2,915 00	
" 25	Paving Avenue A, from Fifty-fourth to Fifty-seventh street with granite block pavement.....	Wm. Kelly, 609 West 47th street.	C. C. Ellis, 443 Ninth avenue... John Lynch, 265 West 126th street.	15,429 20	<i>Gas Contracts.</i>				
" 26	Laying crosswalks at Lexington avenue and One Hundred and Fifth and One Hundred and Sixth streets.....	Patrick Reilly, 249 East 5th street.	Patrick Sheely, 231 East 83d street. Thomas Regan, 858 Third avenue....	802 92	April 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	New York Gas-light Co., 157 and 159 Hester st.	Percy R. Tyne, 25 E. 22d street.... Samuel Sloan, 4 W. 17th street....	\$62,000 00
June 1	Paving Madison avenue, from One Hundred and Tenth to One Hundred and Sixteenth street.....	Wm. A. Cumming, 5 Dey street.....	James Mulry, 309 East 12th street. James Sinclair, Foot East 29th street.	18,818 50	" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Manhattan Gas-light Co., 4 Irving Place.....	Percy R. Tyne, 25 E. 22d street.... Samuel Sloan, 4 W. 17th street....	115,000 00
" 5	Paving, curbing and flagging Nineteenth street, from Tenth to Thirteenth avenue.....	James Everard, Hoffman House....	John Nesbit, 237 Broadway..... Wm. H. McCurdy, 33 East 133d street.	7,377 07	" 27	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Metropolitan Gas-light Company, 46th st. and Broadway	Oscar Zollikoffer, 210 W. 46th street... Samuel Willets, 24 Lafayette place...	88,000 00
" 7	Paving Fourth avenue, from Seventy-second to Ninety-sixth street with granite block pavement.....	John B. Devlin, 820 Lexington avenue.	David Babcock, 32 Broadway..... John Niblo, 852 Eleventh avenue.	131,719 50	" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	New York Mutual Gas-light Co., 36 Union Square....	John T. Kennedy, 10 E. 47th street.... Arthur Leary, 90 5th avenue.....	15,000 00
" 9	Paving One Hundred and Thirty-third street, from Fourth to Sixth avenue with granite block pavement.....	Wm. Kelly, 609 West 47th street.	James Bryan, 431 Grand street....	15,143 24	" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Harlem Gas-light Co., 2,084 3d avenue....	Robert W. Rodman, 322 East 124th street. George G. Lake, 851 5th avenue.....	103,000 00
<i>Repaving (under Chap. 476, Laws 1875).</i>					" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Central Gas-light Co....	William R. Beal, Alexander ave. and 142d street.... John J. Crane, 53 W. 49th street...	62,000 00
April 8	Paving Fourth street, from Avenue B to Avenue D.....	George F. Doak, 370 W. 71st street...	T. Warren S. Dey, 121 E. 24th street... Charles Guidet, 237 Broadway.....	\$11,010 10	" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Northern Gas-light Company.....	R. A. Brick, 25 E. 38th street.... B. W. Van Vorst, 237 Madison avenue.	43,000 00
" 10	Paving First Avenue, between Eighth and Twenty-third streets, with granite block pavement.....	L. W. Johnson, 414 W. 34th street...	John G. Smith, 329 W. 48th street... David Babcock, 32 Broadway.....	58,520 00	" 26	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the public lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Yonkers Gas-light Company.....	Thomas C. Cornell, Yonkers..... Samuel D. Babcock, 636 Fifth avenue....	8,200 00
" 10	Paving Thirtieth street, from Avenue B to Goerck street.....	Thomas Gearty, 415 E. 83d street....	T. H. McCullagh, 240 E. 32d street... Michael Regan, 484 3d avenue....	13,839 25					
" 10	Paving Twenty-fifth street, from First to Second avenue.....	Thomas Gearty, 415 E. 83d street....	T. H. McCullagh, 240 E. 32d street... Michael Regan, 484 3d avenue....	4,294 60					
" 10	Paving Thirteenth street, from Fifth to Sixth avenue.....	John G. Smith, 329 W. 48th street...	L. W. Johnson, 414 W. 34th street... David Babcock, 32 Broadway.....	7,495 10					
" 11	Paving Livingston Place, between Fifteenth and Seventeenth streets, and 37th street, between Third and Lexington avenues.....	William Kelly, 609 W. 47th street...	Henry Kelly, 442 W. 42d street... James Fitzpatrick, 529 W. 42d street...	6,366 10					
" 12	Paving Thirty-fifth street, from Eighth to Tenth avenue.....	T. H. Fitzgerald, 534 W. 35th street...	Charles Guidet, 237 Broadway..... John White, 536 W. 40th street...	9,790 50					
" 12	Paving Hall place, between Sixth and Seventh streets and Charles street, and Weehawken street, etc.....	T. H. Fitzgerald, 534 W. 35th street...	Charles Guidet, 237 Broadway..... John White, 536 W. 40th street...	7,524 30					

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
April 29	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the Public Lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	Brush Electric Illuminating Company.....	William L. Strong, 25 W. 30th street.... William A. Wheelock, 13 W. 48th street....	\$18,000 00
" 27	For furnishing the illuminating material for, and lighting and extinguishing, cleaning, repairing and maintaining the Public Lamps on the streets, avenues and places in the City of New York, from May 1, 1882, to April 30, 1883.....	United States Illuminating Company.....	Marcellus Hartley, 232 Madison avenue. Anson Phelps Stokes, 19 E. 34th street	17,000 00
				\$531,200 00
	<i>Special Contracts.</i>			
May 22	Flagging south side of Thirty-fourth street, from Eleventh to Twelfth avenue.....	Frederick Thileman, Jr...		\$922 20
June 12	Fencing vacant lots south side of One Hundred and Thirty-second street, from Fifth to Sixth avenue.....	John B. Healy.....		237 25
" 12	Fencing vacant lots southwest corner of One Hundred and Twenty-fourth street and Lexington avenue.....	" "		79 84
" 12	Fencing vacant lots southwest corner of One Hundred and Twenty-fourth street and Sixth avenue.....	" "		63 87
" 12	Fencing vacant lots south side of One Hundred and Twenty-third street, beginning 125 feet west of First avenue, etc.....	" "		59 31
" 12	Fencing vacant lots southeast corner of One Hundred and Twenty-first street and Lexington avenue.....	" "		52 47
" 12	Fencing vacant lots southwest corner of Lexington avenue and One Hundred and Eleventh street.....	" "		66 65
" 12	Fencing vacant lots south side of Seventy-ninth street, from Third to Lexington avenue.....	" "		45 62
" 14	Flagging west side of First avenue from Forty-first to Forty-second street, and Forty-third to Forty-fourth street.....	Patrick Larney.....		289 80
				\$1,817 01

RECAPITULATION.

13	Sewer Contracts.....		\$132,043	52
21	Regulating, Grading, etc., Contracts.....		207,240	33
22	Paving Contracts.....		350,037	14
24	Repaing Contracts.....		281,434	73
1	Croton Water-main Contract.....		88,695	00
5	Miscellaneous Contracts.....		88,695	00
10	Gas Contracts.....		531,200	00
9	Special Contracts.....		1,817	01
112	Contracts.....		\$1,605,282	23

Contracts Completed during the Three Months ending June 30, 1882.

DATE.	NATURE AND LOCATION OF WORK.	AMOUNT.
1882. Apr. 4	Regulating and Grading.... Fourth avenue, from Ninety-sixth to One Hundred and Second street.....	\$35,192 06
" 4	Sewer..... Second avenue, west side, between Ninety-fifth and Ninety-sixth streets, with branches.....	9,845 80
" 14	Paving..... Tenth avenue, from One Hundred and Fifty-first to One Hundred and Fifty-fifth street, with McAdam pavement.....	13,689 17
" 19	Sewer..... In One Hundred and Fifty-third street, between Tenth avenue and Avenue St. Nicholas.....	4,866 57
" 19	Regulating, Grading, etc... Eighty-first street, from Boulevard to River-side Drive.....	8,780 80
" 20	Flagging..... East side Fifth avenue, from Sixty-fifth to Sixty-sixth street..	279 32
" 29	Sewer..... Forty-third street, from Lexington to Fourth avenue.....	570 53
May 4	Regulating, Grading, etc... In Sixty-eighth street, between Eighth avenue and Boulevard, One Hundred and Twenty-ninth street, from Sixth to Seventh avenue.....	12,042 72
" 4	" " One Hundred and Twenty-third street, between Fourth and Madison avenues, etc.....	998 25
" 9	" " One Hundred and Thirteenth street, from Fourth to Fifth avenue.....	1,983 31
" 13	" " Ninety-fourth street, from Eighth avenue to the Boulevard	2,985 96
" 23	Sewer..... In Twenty-third street, between Eleventh and Thirteenth avenues.....	13,356 28
" 23	Receiving Basin..... On west side of Fifth avenue, opposite One Hundred and Second street.....	9,025 85
" 23	Sewer..... In Cherry street, between Corleais and Jackson streets.....	1,259 83
" 23	" In One Hundred and Nine tenth street, between Sixth avenue and summit east of Sixth avenue.....	3,389 96
" 23	Paving..... Eighty-second street, from First avenue to Second avenue, with trap-block.....	2,507 81
" 24	Regulating, Grading, etc... One Hundred and Fifty-second street, from Ninth avenue to Avenue St. Nicholas.....	3,952 94
" 24	" " One Hundred and Fifty-third street, from Ninth avenue to Avenue St. Nicholas.....	920 85
" 24	" " Ninety-eighth street, from Third to Fourth avenue.....	977 88
" 31	" " One Hundred and First street, from Second to Third avenue	27,776 22
June 2	Sewer..... In Fourth or Park avenue, east side, between Thirty-fifth and Thirty-sixth streets.....	6,251 26
" 6	Regulating and Grading.... One Hundred and Seventeenth street, between Fifth and Sixth avenues.....	993 68
" 6	Setting Curb-stones, etc... One Hundred and Twenty-second street, from Sixth to Seventh avenue.....	6,407 58
" 16	Paving..... Sixty-second street, from Tenth avenue to the Boulevard, with granite pavement.....	2,748 63
" 16	Regulating and Paving.... Seventy-sixth street, from Madison to Fifth avenue, with trap-block.....	9,244 74
" 16	Paving..... Ninety-fourth street, from Madison to Fourth avenue.....	3,866 49
" 16	Regulating and Grading.... One Hundred and Sixth street, from Madison to Fifth avenue.	2,300 48
" 20	" " Seventy-third street, from Third avenue to East river.....	1,335 31
" 21	Sewer..... In Fourth avenue, east side, between Eighty-second and Eighty-third streets.....	40,800 69
" 28	Flagging..... East side, Thirty-fourth street, from Eleventh to Twelfth avenue.....	1,471 02
" 28	Paving..... One Hundred and Twenty-fourth street, from Seventh to Eighth avenue, with trap-block.....	972 35
" 28	" " Tenth avenue from Seventy-second to Seventy-fourth street, with granite block.....	4,064 68
" 28	" " One Hundred and Twenty-eighth street, from Sixth to Seventh avenue, with trap-block.....	7,774 06
" 30	Sewer..... In Montgomery street, between Cherry and Water streets....	5,102 38
" 30	" " In Seventieth street, between Boulevard and Ninth avenue..	876 66
" 30	" " In Eighty-seventh street, between Ninth and Tenth avenues..	6,642 57
	Total.....	\$260,801 46

RECAPITULATION.

13	Regulating and Grading Contracts.....	\$148,531	81
12	Paving Contracts.....	49,094	94
8	Sewer Contracts.....	59,192	68
3	Flagging Contracts.....	1,822	20
1	Basin Contract.....	1,259	83
37	Contracts.....	\$260,801	46

Document "D."

REPORT OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF CHIEF ENGINEER, 31 CHAMBERS STREET, ROOM 10, }
NEW YORK, July 7, 1882. }

Hon. HUBERT O. THOMPSON, Commissioner of Public Works:

SIR—I have the honor to submit the following report for the quarter ending June 30, 1882 :

During the quarter there has been expended in this Bureau, for work done and materials furnished, and for which bills have been transmitted, as follows :

Aqueduct—Repairs, Maintenance and Strengthening.....	\$53,728	43
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	5,322	94
Croton Water Fund.....	242,646	51
Contingencies—Department Public Works.....		38
Expenses, Surveying and Laying Out, under chapter 587, Laws 1881.....	1,170	00
Expenses, Laying 4-foot Croton Mains.....	1,114	64
Laying Croton Pipes.....	76,313	61
Laying Croton Pipes—Salaries.....	3,653	99
Meter Stock.....	6,340	04
Repairing and Renewal of Pipes, Stop-Cocks, etc.....	5,056	86
Repairing and Renewal of Pipes, Stop-Cocks, etc.—Salaries.....	12,124	47
Supplying Water for the Twenty-fourth Ward.....	4,391	84
Supplying Water to Shipping and Building Purposes.....	2,297	00
Surveys, Maps, etc., Street Openings.....		40

Total.....	\$414,239 58
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STORAGE RESERVOIRS.

The Croton river has furnished a full supply of water to the Aqueduct during the quarter. The Reservoirs and Lakes, with the exception of Lake Gilead, are full. The roads around the Middle Branch Reservoir have been put in order. The work of walling, paving and improving the outlets of Lakes Kirk and Mahopac has been continued from last year. A small party of Engineers are still at work locating the lands necessary for a Storage Reservoir, on the east branch of the Croton river, and giving the necessary assistance to the searchers of title of same, from the office of the Counsel to the Corporation.

Rain-fall during the Quarter.

	APRIL.	MAY.	JUNE.	TOTAL INCHES.
Boyd's Corners Reservoir.....	1.36	6.30	3.04	10.70
South-east Reservoir.....	1.31	5.51	2.33	9.15
Kensico Reservoir.....	1.61	5.84	2.99	10.44

BRONX RIVER SUPPLY.

The Commission appointed to appraise values and damages to property taken for a reservoir at Rye Ponds, and along the outlets of same, including mill rights and mills on the outlet, have made their report, and it was confirmed by the Supreme Court, June 24, 1882. A Commission was appointed to appraise value of, and damages to land necessary for a laying a Conduit pipe between Hartzdale and Bronxville, and they have held several meetings taking testimony in regard to same.

Application has been made to the Supreme Court for the appointing of a commission to appraise values of and damages to lands to be taken for Conduit and Reservoir purposes, from Bronxville to Central avenue, New York City.

A contract was entered into May 17, 1882, for furnishing and laying Conduit pipe and appurtenances from Station 302 to Station 522, being between Hartzdale and Bronxville, Westchester County, New York.

The following work has been done during the quarter:

On Reservoir at Kensico.

555	cubic yards rock excavation.
9,470	" earth excavation.
13,720	" embankment.
26	" cut stone masonry.
2,958	" stone masonry.
47	" brick masonry.
185	" concrete masonry.
531	" dry stone wall.
9,971	linear feet fence wall.
660	pounds wrought iron.

On Conduit Pipe between Kensico and Hartzdale.

3,817 tons straight pipe.
19 " branches and specials.
1,314 cubic yards rock excavation.
10,118 " earth excavation.
29,501 " embankment.
5 " cut stone masonry.
109 " stone masonry.
3 " brick masonry.
80 " concrete masonry.
264 " dry stone wall.
8,980 lineal feet 48-inch pipe laid.
290 " 12-inch pipe laid.
1 6-inch stop-cock and box set.
1 hydrant set.
34,417 feet B. M. hemlock timber.
6,961 pounds wrought iron.

On Conduit-Pipe, between Bronxville and Woodlawn.

388 tons 48-inch pipe.
 90 " specials.
 1,090 cubic yards rock excavation.
 3,450 " earth "
 8,600 " embankment.
 25 " cut stone masonry.
 210 " stone "
 100 " brick "
 4 " concrete "
 210 " dry stone wall.
 2,770 lineal feet 48-inch pipe laid.
 40 " 12-inch "
 80 " 6-inch "
 3 12-inch stop-cocks set.
 3 6-inch "
 3 blow-offs.
 3 hydrants.
 3,000 feet B. M. hemlock timber.
 12,150 lbs. wrought iron.

On Jerome Avenue, between Williamsbridge Road and Croton Avenue.

1,050 cubic yards rock excavation.
200 " " earth "
600 " " filling.
900 lineal feet 36-inch pipe laid.

LAYING CROTON PIPES.

One contract has been made for laying pipe in Twelfth and Lexington avenues. Work under all the contracts has been vigorously carried on.
Pipe has been laid in the following streets and avenues, under orders :
One Hundred and Sixtieth street, between Tenth and Eleventh avenues.

Sixth avenue, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.
 Seventh avenue, between One Hundred and Twenty-second and One Hundred and Twenty-third streets.
 One Hundred and Fifteenth street, between Fifth and Sixth avenues.
 One Hundred and Third street, between First and Second avenues.
 Eighty-seventh street, between Ninth and Tenth avenues.
 Ninth avenue, between Eighty-sixth and Eighty-seventh streets.
 One Hundred and Fifty-sixth street, between Courtland and Railroad avenues.
 One Hundred and Sixty-fourth street, between Third and Washington avenues.
 One Hundred and Thirty-fourth street, between Willis avenue and Brown place.
 One Hundred and Thirty-sixth street, between Willis and Brook avenues.
 One Hundred and Thirty-fifth street, between Third avenue and Canal.
 One Hundred and Fourth street, between First avenue and Avenue A.
 Ninety-third street, between Second avenue and East river.
 And in the Twenty-fourth Ward, from Riverdale to Spuyten Duyvil.

Amount of Pipe laid during the Quarter.

12-inch pipe.....	20,734 lineal feet.
6-inch pipe.....	22,327 "
4-inch pipe.....	415 "
Total.....	43,476 "

194 hydrants placed, and 38 stopcocks set.

The new boiler at High Bridge has been completed, and all of the tests being satisfactory, was accepted in April.

A contract has been entered into for a foot-bridge across Fourth avenue, at Forty-first street. Plans, specifications, etc., have been made for a foot and roadway bridge across Fourth avenue, at Ninety-seventh street, and it is now advertised for bids.

Waste of Water.

The examination of sewers for waste of water in houses between 12 midnight and 6 A. M., has been continued, with the following results, during the quarter :

Number of house-connections examined.....	2,424
" where waste is less than 1 gallon per minute.....	44
" " from 1 to 5 gallons per minute.....	324
" " 5 1/2 " ".....	3
" " 6 " ".....	1

Meters.

Number of meters placed during the quarter.....	419
" " in use March 31, 1882.....	5,956
" " now in use.....	6,375

The following table shows an estimate of work done on the aqueduct during the quarter :

Estimate of Work Done on Croton Aqueduct during the Quarter ending July 1, 1882.

DIVISION.	MASONRY.						EARTH.			ROCK.		DRY RETAINING AND FENCE WALLS.		DRY STONE, CULVERTS, DRAINS, ETC.		GRADING, SEEDING, CLEARING, ETC.	FENCE REBUILT.
	Arch strengthened.		Gate Houses.		Total.		Excavation.	Fill.	Total.	Excavation.	Quarried.	Lineal feet.	Cubic yards.	Lineal feet.	Cubic yards.	Lineal feet.	Lineal feet.
	Lineal feet.	Cubic yards.	Lineal feet.	Cubic yards.	Lineal feet.	Cubic yards.											
First.....	472	364	....	....	472	364	3,880	2,412	6,292	....	....	....	100	....	....	....	....
Second.....	184	168	96	42	280	210	1,777.5	1,153	2,930.5	....	120	....	296	....	....	....	995
Third.....	329	253.7	68.6	67.5	397.6	321.2	2,714	1,682	4,396	250	....	....	....	....	....	800	1,692
Fourth.....	125	88.9	....	....	125	88.9	1,281	639	1,920	....	....	....	....	....	....	700	1,000
Fifth.....	96	74.02	68.6	54	164.6	128.02	1,475	800	2,275	....	....	477	949	....	....	400	400
Sixth.....	275	212	68.6	46.1	343.6	258.1	1,842	1,998	3,840	....	500	116	212	600	44	....	600
Seventh.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Eighth.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total.....	1,481	1,160.62	301.8	209.6	1,782.8	1,370.22	12,969.5	8,684	21,653.5	250	620	593	1,557	600	44	1,900	4,687

REMARKS.

First Division.—18,480 lineal feet of line fence repaired ; cleaning shores of Croton lake ; cleaning drains, culverts, and cutting grass, etc.
 Second Division.—1,746 lineal feet of line fence repaired ; 576 lineal feet stone gutters laid ; set 11 36-inch iron waste-pipes on masonry piers.
 Third Division.—800 superficial feet of granite in gate-house ; dug openings for new line monuments ; changing culvert, drains, etc.
 Fourth Division.—Whitewashed 1,000 feet line fence ; cleaned draws, culverts, etc. ; cut the grass on aqueduct.
 Fifth Division.—651 superficial feet of marble ashlar in gate-house ; cleaned draws and culverts ; cut aqueduct grass.

Sixth Division.—689.4 superficial feet of granite ashlar in gate-house ; cleaned draws and culverts ; cut aqueduct grass.
 Seventh Division.—Usual repairs and work in connection with large pipes, engines, hoisting coal, etc.
 Eighth Division.—Reset fine masonry ; paving of gate-house of new reservoir ; usual repairs and work in connection with engines, pipe-chambers, stop-cock vaults, etc.

Very respectfully,

ISAAC NEWTON, Chief Engineer Croton Aqueduct.

Document "E."

REPORT OF BUREAU OF WATER PURVEYOR.

DEPARTMENT OF PUBLIC WORKS,
 WATER PURVEYOR'S OFFICE, 31 CHAMBERS STREET, ROOM 1,
 NEW YORK, JULY 5, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works :

SIR—In compliance with your instructions, I herewith submit the following report of the transactions of this Bureau during the quarter ended June 30, 1882.

REPAIRS AND RENEWAL OF PAVEMENTS.

The average force employed on repairs of pavements during the quarter was as follows :

In April, 40 men and 4 carts.
 In May, 219 men and 43 carts.
 In June, 441 men and 84 carts.
 The pay rolls amounted to \$37,820.62.
 206 street pavements were repaired.

REPAVING UNDER CHAPTER 476, LAWS OF 1875.

The following streets were completed during the quarter, viz.:

	Square Yards.
*Ann street, between Broadway and Gold streets.....	7,835.37
*Frankfort street, between Nassau and Jacob streets.....	
*Jacob street, between Frankfort and Ferry streets.....	
*Front street, between Fulton and Roosevelt streets.....	5,306.97
*Broadway, from Seventeenth to Twenty-second street.....	
*Pike street, from Division to South street.....	10,974.85
*Rutgers street, from East Broadway to Cherry street.....	

* These streets were commenced last year.

The Examination of Buildings throughout the City has been continued with the following results :

ASSEMBLY DISTRICT.	Whole Number of Buildings Examined.	Whole Number where Plumbing was Defective.	FAUCETS.		URINALS.		HYDRANTS IN YARD.		Pipes Burst.	Ball Cocks Wanted.
			Leak.	Waste.	Leak.	Waste.	Leak.	Waste.		
First.....	1,069	32	28	..	1	2	1	..	..	..
Second.....	373	..	..	..	..	..	..	..	..	..
Third.....	..	..	..	..	..	..	..	..	..	..
Fourth.....	619	115	115	..	..	..	..	..	..	..
Fifth.....	575	137	134	..	1	..	2	..	..	..
Sixth.....	915	167	139	3	..	..	23	2	..	..
Seventh.....	619	8	4	..	..	2	1	..	1	..
Eighth.....	1,041	1	..	..	..	..	1	..	..	..
Ninth.....	400	27	24	..	1	..	..	..	2	..
Tenth.....	631	76	54	14	..	2	1	4	1	..
Eleventh.....	826	9	8	1	..	..	..	..	..	..
Twelfth.....	172	..	..	..	..	..	..	..	..	..
Thirteenth.....	608	140	127	..	10	..	..	2	1	..
Fourteenth.....	932	6	..	6	..	..	..	..	..	..
Fifteenth.....	834	742	692	..	..	..	50	..	..	..
Sixteenth.....	704	..	..	..	..	..	..	..	..	..
Seventeenth.....	335	..	..	..	..	..	..	..	..	..
Eighteenth.....	..	..	..	..	..	..	..	..	..	..
Nineteenth.....	..	..	..	..	..	..	..	..	..	..
Twentieth.....	129	9	8	..	..	..	..	..	1	..
Twenty-first.....	458	83	71	5	..	3	..	..	4	..
Twenty-second.....	440	5	2	..	1	2	..	..	..	..
Twenty-third.....	..	..	..	..	..	..	..	..	..	..
Twenty-fourth.....	..	..	..	..	..	..	..	..	..	..
Total.....	11,680	1,557	1,406	29	3	22	76	11	10	..

Water for Shipping and Building, and at Riverdale, Twenty-fourth Ward.

For water supplied to engines on docks, etc.....	Amounting to \$850 80
" for building purposes.....	8,360 10
" shipping.....	6,888 25
" measured by meter.....	13,930 98
" at Riverdale, measured by meter.....	558 50
Total.....	\$30,588 63

	Square Yards.
Roosevelt street, from Chatham to Front street.....	3,085.68
Thirteenth street, between Fifth and Sixth avenues.....	3,104.42
Twenty-fifth street, between First and Second avenues.....	2,171.86
Twenty-ninth street, between Broadway and Seventh avenue.....	4,029.80
Thirtieth street, between Ninth and Eleventh avenues.....	5,307.59
Livingston place, between Fifteenth and Seventeenth streets.....	2,501.65
Thirty-seventh street, between Third and Lexington avenues.....	
Fourth street, between Avenues B and D.....	4,562.77
Total.....	48,880.96

The following streets under contract are in progress, viz.:

Burling slip, between Water and South streets.
 Hall place, between Sixth and Seventh streets.
 Charles street, between Hudson and West streets.
 Weehawken street, between West Tenth and Christopher streets.
 Horatio street, between Fourth street and Thirteenth avenue.
 First avenue, between Eighth and Twenty-third streets.
 Third street, between Avenue B and Goerick street.
 Seventeenth street, between Sixth and Eighth avenues.
 Eighteenth street, between First and Third avenues.

Twenty-seventh street, between Sixth and Eighth avenues.

And the following streets under contract are not yet commenced, viz.:

City Hall Place, between Chambers and Pearl streets.
 William street, between New Chambers and Pearl streets.
 Thirty-sixth street, between Second and Third avenues.
 Forty-fourth street, between Madison and Fourth avenues.
 Morris street, between Greenwich and West streets.
 Fourth street, between Broadway and Thirteenth street.
 Tenth avenue, between Forty-eighth and Fifty-ninth streets.
 North William street, between Frankfort and Chatham streets.
 Rose street, between Frankfort and New Chambers streets.
 Vandewater street, between Frankfort and Pearl streets.
 Fifty-fourth street, between Seventh and Eighth avenues.

NEW PAVEMENTS UNDER ASSESSMENT.

The following streets were completed during the quarter, viz :

	Square yards.
*Tenth avenue, between One Hundred and Fifty-first and One Hundred and Fifty-fifth streets.....	6,120
Lexington avenue, at One Hundred and Fifth and One Hundred and Sixth streets, crosswalk.....	27
Sixty-second street, from Tenth avenue to Boulevard.....	3,575
Seventy-sixth street, between Madison and Fifth avenues.....	1,470
Eighth street and Ninth avenue, intersection.....	328
Eighty-second street, between First and Second avenues.....	2,0357.5
Ninety-fourth street, between Fourth and Madison avenues.....	1,321
Ninety-fifth street, between Third and Lexington avenues.....	1,376
One Hundred and Twenty-second street, between Third and Fourth avenues.....	2,864
One Hundred and Twenty-fourth street, between Seventh and Eighth avenues.....	2,517
One Hundred and Twenty-eighth street, between Sixth and Seventh avenues.....	2,515
Tenth avenue, between Seventy-second and Seventy-fourth streets.....	2,896
Total.....	27,044.75

The following streets under contract are in progress, viz.:

Avenue A, from Fifty-fourth to Fifty-seventh street.
Fifth avenue, from One Hundred and Tenth to One Hundred and Twentieth street, etc.*
Fourth avenue, from Seventy-second to Ninety-sixth street.
Forty-second street, between Second and First avenues.
Sixty-ninth street, between First avenue and Avenue A.
Seventy-fifth street, between First avenue and Avenue A.
One Hundred and Thirteenth street, between Second and Third avenues.
One Hundred and Twenty-second street, between Sixth and Seventh avenues.
One Hundred and Thirtieth street, between Eighth and Sixth avenues.
And the following streets under contract are not yet commenced viz.:
Madison avenue, between One Hundred and Tenth and One Hundred and Sixteenth streets.
Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-third streets.
Nineteenth street, between Tenth and Thirteenth avenues.
Forty-fifth street, between Eleventh and Twelfth avenues.
Sixty-seventh street, between Boulevard and Tenth avenue.
Seventieth street, between Second and Third avenues.
Eighty-seventh street, between Avenue A and First avenue.
Ninety-ninth street, between Third avenue and Exterior street.
One Hundred and Second street, between Third and Lexington avenues.
One Hundred and Twelfth street and Fourth avenue. Intersection.
One Hundred and Twelfth street, between Fourth and Madison avenues.
One Hundred and Twenty-third street, between First and Second avenues.
One Hundred and Thirty-third street, between Fourth and Sixth avenues.

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

The average force employed in repairing pipes, stop-cocks, etc., and hydrants, under the direction of this Bureau, during the quarter, was as follows :

In April, 90 men and 9 carts.
In May, 85 men and 8 carts.
In June, 69 men and 9 carts.
The pay rolls amount to \$15,173.03.
559 defects in pipes, stop-cocks, etc., were repaired.
112 taps were shut off on account of leaks.
798 fire hydrants were repaired.
52 new fire hydrants were substituted for old ones.
6 new fire hydrants were placed.
645 defects in pavements were repaired.

PUBLIC DRINKING HYDRANTS.

114 drinking hydrants were repaired.
20 new drinking hydrants were substituted for old ones.
5 new drinking hydrants were placed.

WELLS AND PUMPS.

No pumps were repaired during the quarter.

VAULTS.

60 permits were granted for the construction of vaults.
The amount received for the same is \$38,478.74.
13 permits were granted to repair vaults.
31 permits were granted to repair pavements.
Forty-nine resolutions of the Board of Aldermen affecting the business of this Bureau were approved by the Mayor.

The payments made during the quarter and charged to the several appropriations are as follows :

For public Drinking Hydrants.....	\$2,589.23
For repaving Streets and Avenues.....	54,947.46
For repaving Streets and Avenues, salaries charged to.....	3,210.18
For repairs and renewal of pavements and regrading.....	20,334.35
For repairs and renewal of pavements, salaries charged to.....	1,472.00
For repairs and renewal of Pipes, Stop-cocks, etc.....	18,466.42
For repairs, renewal of Pipes, Stop-cocks, etc., salaries charged to.....	25,681.00
For Street Improvement Fund (Assessment work).....	48.77
For Contingencies, Department of Public Works.....	
Total.....	\$132,749.41

Very respectfully,

DANIEL O'REILLY, Water Purveyor.

Document "F."

REPORT OF ENGINEER IN CHARGE OF SEWERS.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS, 31 CHAMBERS STREET, ROOM 9,
NEW YORK, July 8, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works :

SIR—In compliance with your instructions, I beg leave to hand you herewith a report of the transactions of this office for the quarter ending June 30, 1882.

Respectfully,

STEPHENSON TOWLE, Engineer in Charge of Sewers.

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING JUNE 30, 1882.

Credit to General Fund—Amount received for 316 permits for sewer connections....	\$6,804.69
Vitrified Stoneware Pipe—Amount received for pipe sold to contractor and credited to Street Improvement Fund.....	\$22.75
Engineers' Fees—Amount of Engineers' and Surveyors' fees, charged on Assessment Lists and credited to Street Improvement Fund.....	\$3,322.32
Sewers, Repairing and Cleaning—Balance on hand March 31, 1882.....	\$91,721.09
Vouchers transmitted to the Commissioner of Public Works, pay-rolls of laborers, etc.....	\$10,646.25
Special repairs.....	14,125.23
Materials and sundries.....	2,802.64
Balance on hand June 30, 1882.....	64,146.97
Total.....	91,721.09

*This avenue was commenced last year.

Salaries—Sewers, Repairing and Cleaning—

Balance on hand March 31, 1882.....	\$7,352.00
Vouchers transmitted to the Commissioner of Public Works, Pay Rolls of Inspectors, etc.....	\$3,579.48
Balance on hand June 30, 1882.....	3,772.52
Total.....	7,352.00

Salaries—Sewerage System—

Balance on hand March 31, 1882.....	\$10,303.98
Vouchers transmitted to the Commissioner of Public Works, Pay Rolls of Engineers, etc.....	\$3,843.31
Balance on hand June 30, 1882.....	6,460.67
Total.....	10,303.98

Surveys, Maps, etc., for Street Openings—

Balance on hand March 31, 1882.....	\$4,838.22
Vouchers transmitted to the Commissioner of Public Works, Pay Rolls of Draughtsmen, etc.....	\$73.61
Balance on hand June 30, 1882.....	4,764.61
Total.....	4,838.22

Expense of Surveying, Laying out, etc—

Vouchers transmitted to the Commissioner of Public Works, Pay Rolls of Draughtsmen, etc.....	\$86.78
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Restoring and Repaving—Special Funds—

Amount received for 477 Permits for Street Openings.....	\$5,332.00
Vouchers transmitted to the Commissioner of Public Works, Bills for Repaving, etc.....	6,113.50

Street Improvement Fund—

Vouchers transmitted to the Commissioner of Public Works.....	\$104,515.33
Pay Rolls of Engineers, etc.....	\$6,345.80
Pay Rolls of Inspectors on Sewers.....	8,560.00
On Contracts for Sewers, etc.....	89,609.53
Total.....	104,515.33

Work done by mechanics and laborers, William Webb, foreman—

632 receiving-basins and culverts cleaned.	80 new manhole covers put on.
15,288 linear feet of sewer cleaned.	119 linear feet of new curb set.
977 linear feet of sewer rebuilt.	37 square feet of new flagging laid.
880 linear feet of sewer repaired.	74 square feet of flagging re-laid.
99 linear feet of culvert rebuilt.	40 square feet of crosswalk re-laid.
100 linear feet of spur pipe laid.	4 new bulkheads built.
30 receiving-basins rebuilt.	2,996 cubic yards of earth excavated and re-filled.
41 receiving-basins repaired.	833 square yards of pavement re-laid.
7 basin heads reset.	1,783 cart loads of dirt removed.
59 new basin heads and covers put on.	
10 new basin covers put on.	
9 new manholes built.	Work done by contract—
182 manholes repaired.	10,424 linear feet of sewer built.
82 new manhole heads and covers put on.	313 linear feet of culvert built.
138 manhole heads reset.	11 receiving-basins built.
	7,000 linear feet of piles driven.

Making the present total length of sewerage in the city 2,042,752 linear feet (386 85-100 miles) with 4,617 receiving basins.

Document "G."

REPORT OF BUREAU OF STREET IMPROVEMENTS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREET IMPROVEMENTS, ROOM 5, 31 CHAMBERS ST.,
NEW YORK, July 11, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works :

SIR—In compliance with your instructions, I beg to hand you herewith a report of the transactions of the Bureau of Street Improvements, for the quarter ending June 30, 1882.

Respectfully,

GEO. A. JEREMIAH, Superintendent Street Improvements.

AMOUNT OF WORK DONE DURING THE QUARTER ENDING JUNE 30, 1882.

Earth excavated, cubic yards.....	8,972
Rock excavated, cubic yards.....	12,928
Filling furnished, cubic yards.....	100,501
Curbstones set, linear feet.....	16,474.85
Curb and Gutterstones set, linear feet.....	2,824.15
Curb and Gutterstones reset, linear feet.....	1,505.60
Flagging laid, square feet.....	66,447.60
Flagging relaid, square feet.....	6,922

AMOUNT OF VOUCHERS DRAWN.

On account of—	
Street Improvement Fund, contracted for after June 9, 1880.....	\$84,813.32
Street Improvement Fund, June 9, 1880.....	13,059.14
Street Improvements above Fifty-ninth street, June 9, 1880.....	93.05
Street Improvements for surveying, monumenting, and numbering of streets.....	225.00
Flagging sidewalks, and Fencing vacant lots in front of City Property.....	371.30
Total.....	\$98,561.81

APPROPRIATIONS.

Street Improvements—for Surveying, Monumenting, and Numbering of Streets, 1882.....	\$1,500.00
Amount of Vouchers drawn.....	\$314.26
Outstanding Liabilities (estimated).....	216.00
Balance, June 30, 1882 (estimated).....	969.74
Total.....	1,500.00

Flagging Sidewalks, and Fencing Vacant Lots in Front of City Property, 1882.....

Amount of Vouchers drawn.....	\$560.84
Outstanding Liabilities (estimated).....	517.50
Balance, June 30, 1882 (estimated).....	421.66
Total.....	1,500.00

Flagging Sidewalks, and Fencing Vacant Lots in Front of City Property, 1881.....

Amount of Vouchers drawn in 1881.....	\$1,139.85
Amount of Vouchers drawn in 1882.....	26.12
Outstanding Liabilities (estimated).....	300.00
Balance (estimated).....	34.03
Total.....	1,500.00

WORKS COMPLETED.

Regulating, Grading, etc—	
Fourth avenue, from Ninety-sixth st. to One Hundred and Second st.	\$35,192.06
Seventy-third street, from Third avenue to East river.....	40,800.69
Eighty-first street, from Boulevard to Riverside Drive.....	8,780.80
Ninety-fourth street, from Eighth avenue to Boulevard.....	13,356.28
Ninety-eighth street, from Third avenue to Fourth avenue.....	27,776.22
One Hundred and First street, from Second avenue to Third avenue.....	6,251.26
One Hundred and Sixth street, from Madison avenue to Fifth avenue.....	1,335.31
One Hundred and Thirteenth st., from Fourth avenue to Fifth ave.	2,985.96
One Hundred and Seventeenth st., from Fifth avenue to Sixth ave.	6,407.58
One Hundred and Twenty-ninth st., from Sixth ave. to Seventh ave.	998.29
One Hundred and Fifty-second street, from Ninth avenue to Avenue St. Nicholas.....	920.85
One Hundred and Fifty-third street, from Ninth avenue to Avenue St. Nicholas.....	977.88
Curb and Flagging—	
One Hundred and Twenty-second st., from Sixth ave. to Seventh ave.	2,748.63
Flagging—	
East side Fifth avenue, from Sixty-fifth street to Sixty-sixth street.	\$279.32
South side Thirty-fourth street, from Eleventh ave. to Twelfth ave.,	972.35
Forty-third street, from Lexington avenue to Fourth avenue.....	570.53
Total.....	1,822.20
Total.....	\$150,354.01

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, Grading, Curb and Flagging—									
Morningside ave., One Hundred and Tenth st. to East line Tenth ave...	James W. O'Grady...	Peter J. Moran....	.....	350 days.	\$60,599 10	.....	.....	.....	.....
First Avenue, Ninety-second street to One Hundred and Ninth street...	Thomas E. Crimmins.	W. V. Smith.....	Walter E. Tallister..	275 "	20,651 80	.....	.....	.....	.....
Ninth avenue, Eighty-first street to One Hundred and Tenth street...	Matthew Baird.....	W. V. Smith.....	Morgan L. Ogden.....	150 "	21,518 50	\$10,732 00	\$3,219 60	\$7,512 40	.....
Ninth avenue, One Hundred and Fifty first street to One Hundred and Fifty-fifth street.....	John Brady.....	W. V. Smith.....	Robert Gardner.....	100 "	4,418 40	.....	.....	.....	.....
Sixty-sixth street, Eighth avenue to Boulevard.....	John Mulholland....	F. M. Leonard....	Jeremiah Chadwick..	300 "	14,372 76	8,219 50	2,465 85	5,753 65	.....
Seventy-first street, Boulevard to Eleventh avenue.....	James Baird.....	Ch. H. Haswell....	William Turner.....	60 "	4,783 50	.....	.....	.....	.....
Seventy-fifth street, Tenth avenue to Riverside drive.....	James Slattery.....	M. A. Kellogg.....	John E. Cunick.....	125 "	10,878 20	5,790 00	1,737 00	4,053 00	.....
Eighty-third street, Eighth avenue to Boulevard.....	Irvine and Lynch....	John E. Eustis....	Owen Ward.....	19 "	3,524 29	.....	.....	.....	.....
Eighty-fifth street, Ninth avenue to Tenth avenue.....	Hugh Duffy.....	W. V. Smith.....	Dyer D. Lum.....	150 "	7,029 00	2,161 00	648 30	1,512 70	.....
Eighty-seventh street, Eighth avenue to Tenth avenue.....	James Slattery.....	R. L. Waters.....	James W. Mullin.....	50 "	5,811 28	.....	.....	.....	.....
Eighty-seventh street, Tenth avenue to Boulevard.....	John Brady.....	R. L. Waters.....	Francis S. McAvoy....	75 "	2,345 60	.....	1,107 00	2,583 00	.....
Eighty-eighth street, Tenth avenue to Riverside drive.....	James Slattery.....	E. L. Veile.....	Sylvester Bennett....	300 "	27,138 00	.....	.....	.....	.....
Eighty-ninth street, Eighth avenue to Tenth avenue.....	Irvine and Lynch....	W. V. Smith.....	William H. Schaffer..	40 "	2,884 60	.....	.....	.....	.....
Ninety-third street, Boulevard to West End avenue.....	D. K. Gallagher....	J. McIntyre Smith..	Patrick Griffin.....	200 "	3,756 00	.....	.....	.....	.....
Ninety-eighth street, Second avenue to Third avenue.....	A. Dowdney.....	R. L. Waters.....	John Brown.....	350 "	6,101 50	.....	.....	.....	.....
Ninety-eighth street, Fourth avenue to Fifth avenue.....	A. Dowdney.....	M. A. Kellogg.....	George G. Banzer.....	350 "	8,611 50	.....	.....	.....	.....
Ninety-ninth street, Fourth avenue to Fifth avenue.....	Patrick Farley.....	J. McIntyre Smith..	Lawrence Keenan.....	585 "	3,540 20	.....	.....	.....	.....
One Hundredth street, Third avenue to Second avenue.....	Thomas E. Crimmins.	J. McIntyre Smith..	Completed.....	200 "	5,912 50	2,322 00	695 60	1,625 40	.....
One Hundred and First street, Ninth avenue to New avenue.....	James Baird.....	M. A. Kellogg.....	Matthew Stripp.....	15 "	1,323 20	.....	.....	.....	.....
One Hundred and Fifth street, Third avenue to Fourth avenue.....	W. V. Smith.....	W. V. Smith.....	Anthony C. Dzwills....	100 "	4,165 75	.....	.....	.....	.....
One Hundred and Fifth street, Fourth avenue to Fifth avenue.....	Hugh Duffy.....	Eug. E. McLeon....	Frank E. Purdy.....	100 "	1,660 40	.....	.....	.....	.....
One Hundred and Sixth street, Fourth avenue to Madison avenue.....	Michael and Houghton	W. V. Smith.....	James J. Fitzgerald..	320 "	10,359 50	.....	.....	.....	.....
One Hundred and Twelfth street, Madison avenue to Sixth avenue.....	Michael Finn.....	W. V. Smith.....	John McCusker.....	150 "	4,040 00	.....	.....	.....	.....
One Hundred and Twelfth street, Sixth avenue to Seventh avenue.....	Thomas Murray.....	W. V. Smith.....	William F. Knox.....	20 "	2,054 60	.....	.....	.....	.....
One Hundre and Thirteenth street, Fourth avenue to Fifth avenue.....	James Slattery.....	W. V. Smith.....	Walter S. Edwards....	350 "	38,541 20	11,550 00	3,465 00	8,085 00	.....
One Hundred and Thirteenth street, Fifth avenue to Eighth avenue.....	Patrick Farley.....	R. L. Waters.....	Thomas F. Ringley....	90 "	7,891 50	1,530 00	459 00	1,071 00	.....
One Hundred and Fifteenth street, Boulevard to Riverside drive.....	A. A. Irvine.....	R. L. Waters.....	William H. Johnson..	60 "	5,774 85	1,119 10	575 73	1,343 37	.....
One Hundred and Fifteenth street, Tenth avenue to Morningside ave...	Patrick Farley.....	R. L. Waters.....	Frederick Saib.....	550 "	10,813 60	.....	.....	.....	.....
One Hundred and Sixteenth street, Tenth avenue to Morningside ave...	Thomas Murray.....	R. L. Waters.....	James Murray.....	20 "	3,277 50	.....	.....	.....	.....
One Hundred and Seventeenth street, Fifth avenue to Sixth avenue.....	William Phelan.....	W. V. Smith.....	Thomas Eagan.....	100 "	5,338 00	.....	.....	.....	.....
One Hundred and Eighteenth street, Sixth avenue to Seventh avenue.....	Michael Finn.....	W. V. Smith.....	Edward F. O'Grady....	250 "	7,219 90	5,780 00	1,734 00	4,046 00	.....
One Hundred and Nineteenth street, Sixth avenue to Seventh avenue.....	Thomas Gearty.....	W. V. Smith.....	James McNany.....	20 "	3,300 00	.....	.....	.....	.....
One Hundred and Nineteenth street, Fourth avenue to Sixth avenue...	John Phelan.....	W. V. Smith.....	Patrick H. Keaney....	450 "	17,114 47	14,884 40	4,225 32	9,859 08	.....
One Hundred and Twenty-fifth street, Manhattan street to Boulevard.	Michael Finn.....	W. V. Smith.....	Timothy Connors....	250 "	9,883 30	.....	.....	.....	.....
One Hundred and Thirty-seventh street, Fifth avenue to Seventh ave.	James Reilly.....	Chas. H. Haswell....	William B. Williams..	150 "	10,034 80	.....	.....	.....	.....
One Hundred and Forty-first street, Nicholas avenue to Tenth avenue.	Patrick Farley.....	J. McIntyre Smith..	Nathan Frank.....	350 "	23,435 30	.....	.....	.....	.....
One Hundred and Fifty-third st., 60 feet East of Seventh ave. to New ave.	Vincent Clark.....	J. McIntyre Smith..	Isaac Smith.....	35 "	4,818 20	.....	.....	.....	.....
One Hundred and Fifty-third street, Tenth avenue to Boulevard.....	James Reilly.....	John E. Eustis....	Stephen Mark						

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, No. 31 CHAMBERS STREET,
NEW YORK, July 15, 1882.

124 cubic yards of sharp sand.

Repairing Western Boulevard, from Seventy-second to One Hundred and Thirty-fifth street.
Material used on the above was
346 cubic yards of trap rock.
16 cubic yards of Roa Hook gravel.
108 cubic yards of lime-stone chips.
648 cubic yards of sharp sand.

Repairing Avenue St. Nicholas, from One Hundred and Fortieth to One Hundred and Forty-fifth street.
Material used on the above was
284 cubic yards of trap rock.
57 cubic yards of Roa Hook gravel.
15 cubic yards of sharp sand.

Repairing One Hundred and Fifty-second street, from Avenue St. Nicholas to Boulevard.
Material used on the above was
42 cubic yards of sharp sand.

Repairing One Hundred and Fifty-fifth street, from Avenue St. Nicholas to Boulevard.
Material used on the above was
98 cubic yards of sharp sand.

Repairing Tenth avenue, between One Hundred and Fifty-fifth and One Hundred and Seventy-fifth streets.
Material used on the above was
450 cubic yards of broken stone.

Paving gutters on Boulevard, from One Hundred and Twenty-second to One Hundred and Twenty-ninth street.
Material used on the above was
6,786½ square feet of cobble stone.

Paving gutters on Avenue St. Nicholas, from One Hundred and Fortieth to One Hundred and Forty-fifth street.
Material used on the above was
490 square feet of cobble stone.
60 square feet of blue stone.

Repairing over sewer and water connection, and material used.
First avenue, One Hundred and Fourteenth to One Hundred and Sixteenth street.
9 cubic yards trap rock.
5 cubic yards Roa Hook gravel.
3 cubic yards sharp sand.

One Hundred and Tenth street, Seventh to Pleasant avenue.
7 cubic yards trap rock.
5 cubic yards Roa Hook gravel.
3 cubic yards sharp sand.
4 cubic yards Tilford.

One Hundred and Sixteenth street between Fourth and Pleasant avenues.
12 cubic yards trap-rock.
5 cubic yards Roa Hook gravel.
3 cubic yards Tilford.
4 cubic yards sharp sand.

One Hundred and Sixteenth street and Third avenue.
5 cubic yards trap-rock.
1 cubic yard Roa Hook gravel.
3 cubic yards sharp sand.

One Hundred and Sixteenth street and Second avenue.
6 cubic yards trap-rock.
4 cubic yards Roa Hook gravel.
2 cubic yards sharp sand.

One Hundred and Twenty-third street, Eighth avenue and Mt. Morris avenue.
9 cubic yards trap-rock
4 cubic yards Roa Hook gravel.
8 cubic yards Tilford.
3 cubic yards sharp sand.

One Hundred and Twenty-third street and Seventh avenue.
5 cubic yards trap-rock.
4 cubic yards Tilford.

One Hundred and Twenty-fourth street between Third and Fifth avenues.
7 cubic yards trap-rock.
3 cubic yards Roa Hook gravel.
2 cubic yards sharp sand.
5 cubic yards Tilford.

Corner Sixth avenue and One Hundred and Twenty-fourth street.
5 cubic yards trap-rock.
3 cubic yards Roa Hook gravel.
Corner Sixth avenue and One Hundred and Twenty-fifth street.
4 cubic yards trap-rock.
2 cubic yards Roa Hook gravel.
5 cubic yards sharp sand.
Corner Sixth avenue and One Hundred and Twenty-eighth street.
8 cubic yards trap-rock.
2 cubic yards Roa Hook gravel.
3 cubic yards sharp sand.
Corner Seventh avenue and One Hundred and Twenty-fifth street.
12 cubic yards trap-rock.
6 cubic yards Roa Hook gravel.
4 cubic yards sharp sand.
Corner Seventh avenue and One Hundred and Twenty-sixth street.
3 cubic yards trap-rock.
6 cubic yards Roa Hook gravel.
2 cubic yards sharp sand.
Corner Fifth avenue and One Hundred and Twenty-fourth street.
7 cubic yards trap-rock.
3 cubic yards Roa Hook gravel.
2 cubic yards sharp sand.
Corner Fifth avenue and One Hundred and Twenty-fifth street.
5 cubic yards trap-rock.
3 cubic yards Roa Hook gravel.
2 cubic yards sharp sand.

The following is the amount of dirt hauled away from

Seventh avenue, between One Hundred and Tenth and One Hundred and Fifty-fourth streets	211
Sixth avenue, between One Hundred and Tenth and One Hundred and Forty-sixth streets	279
Avenue St. Nicholas, between One Hundred and Tenth and One Hundred and Twenty-fifth streets	53
Avenue A, between One Hundred and Nineteenth and One Hundred and Twenty-fourth streets	35
First avenue, between One Hundred and Ninth and One Hundred and Sixteenth streets	112
One Hundred and Tenth street, between First and Eighth avenues	301
One Hundred and Sixteenth street, between Avenue A and Seventh avenue	106
One Hundred and Twenty-fourth street, between Avenue A and Fifth avenue	49
One Hundred and Twenty-fourth street, between Sixth and Seventh avenues	18
One Hundred and Twenty-third street, between Eighth and Park avenues	28
Total	1,192

Sprinkling on the following boulevards, avenues and streets:

Fifth avenue, from Fifty-ninth street to One Hundred and Tenth street.
Fifth avenue, from One Hundred and Twenty-fourth street to One Hundred and Thirtieth street.
Sixth avenue, from One Hundred and Tenth street to One Hundred and Forty-fifth street.
Seventh avenue, from One Hundred and Tenth street to One Hundred and Fifty-fourth street.
Tenth avenue, from One Hundred and Fifty-first to One Hundred and Seventy-fifth street.
Avenue A, from One Hundred and Nineteenth to One Hundred and Twenty-fourth street.
First avenue, from One Hundred and Ninth to One Hundred and Sixteenth street.
Avenue St. Nicholas, from One Hundred and Tenth to One Hundred and Twenty-fifth street.
Avenue A, from Fifty-seventh to Eighty-sixth street.
Seventy-second street, from Avenue A to Fifth avenue.
One Hundred and Tenth street, from First avenue to Eighth avenue.
One Hundred and Sixteenth street, from Avenue A to Seventh avenue.
One Hundred and Twenty-third street, from Park avenue to Eighth avenue.
One Hundred and Twenty-fourth street, from Avenue A to Fifth avenue.
One Hundred and Twenty-fourth street, from Sixth avenue to Seventh avenue.
One Hundred and Forty-fifth street, from Sixth avenue to Eighth avenue.
One Hundred and Fifty-fifth street, from Avenue St. Nicholas to Boulevard.

The following is a statement of the work done at the Repair Shop of this Bureau, at One Hundred and Twenty-second street and New avenue:

Repairing, painting, setting axles and tires on 8 sprinkling monitors.
Building, painting and ironing 5 new running posts for square box sprinklers; new axles, new tires and new sprinklers for same.
Building 3 new hand-carts; setting tires, axles and painting the same.
Making 3 new road-scrappers.
Making 10 poles for sprinklers.
Making 10 sets of whiffletrees.
Making picks for steam rollers.
Steeling 112 picks and sharpening 250 picks.

The force employed during the quarter ending June 30, 1882, on Boulevards, streets and avenues that are macadamized, is as follows: 1 time keeper, 3 foremen, 1 carpenter, 1 painter, 2 blacksmiths, and 2 helpers, 1 steam engineer, 87 laborers, 31 two-horse teams and 3 horses and carts. Total force, 132.

The following is the amount appropriated for Boulevards, Roads and Avenues—Maintenance of, for 1882:

Amount appropriated	\$70,000 00
Amount expended for 1st quarter	7,971 94
Balance, April 1, 1882	\$62,028 06

Amount expended for 2d quarter, ending June 30, 1882, is as follows:

Pay-roll of Laborers, etc., for March 30	\$2,077 48
" " April 15	2,436 05
" " April 30	3,211 86
" " May 15	3,042 35
" " May 31	3,668 16
" " June 15	3,623 50
Supplies for Repair Shop	50 41
Bands and flanges for steam-rollers	42 00
Repairs to sprinklers	49 55
" " "	48 10
" " "	15 29
Lumber	245 25
Rims and spokes	53 46
Cement	7 50
Paint, oil, and can	22 75
Horse keep	180 00
Shoeing horse	16 50
Repairs to harness	9 15
Limestone chips	727 72
Roa Hook gravel	792 68
Trap-rock	728 92
	31,048 68
Balance, July 1, 1882	\$40,979 38
Balance of appropriation for 1881, January 1, 1882	\$91 73
Amount expended from January 1 to June 30, 1882	83 75
Net Balance July 1, 1882	\$7 98

The following is the amount appropriated for Boulevards, Roads and Avenues—Maintenance—Salaries, net:

Amount appropriated for 1882	\$2,400 00
Amount expended for the 1st quarter	350 00
Balance April 1, 1882	\$2,050 00

Amount expended for the 2d quarter, ending June 30, 1882, is as follows:

Pay-roll of Clerk and Messenger for month of March, 1882	\$175 00
" " April, "	175 00
" " May, "	175 00
" " June, "	175 00
	700 00
Balance July 1, 1882	\$1,350 00

The following is a statement of work done on roads, streets and avenues, unpaved—maintenance of, during the quarter ending June 30, 1882:

Repairing Sixty-sixth street, from Boulevard to Eleventh avenue.
Repairing Sixty-seventh street, from Eighth avenue to Eleventh avenue.
Repairing Sixty-eighth street, from Tenth avenue to Eleventh avenue.
Repairing Sixty-ninth street, from Eighth avenue to Eleventh avenue.
Repairing Seventieth street, from Eighth avenue to Eleventh avenue.
Repairing Seventy-third street, from Tenth avenue to Eleventh avenue.
Repairing Seventy-fifth street, from Eighth avenue to Tenth avenue.
Repairing Seventy-seventh street, from Ninth avenue to Tenth avenue.
Repairing Seventy-eighth street, from Ninth avenue to Boulevard.
Repairing Eightieth street, from Ninth avenue to Boulevard.
Repairing Eighty-first street, from Ninth avenue to Boulevard.
Repairing Eighty-second street, from Ninth avenue to Boulevard.
Repairing Eighty-third street, from Tenth avenue to Boulevard.
Repairing Eighty-fourth street, from Eighth avenue to Boulevard.
Repairing Eighty-sixth street, from Eighth avenue to Boulevard.
Repairing Ninety-sixth street, from Eighth avenue to Boulevard.
Repairing Ninety-seventh street, from Ninth avenue to Boulevard.
Repairing One Hundred and Sixth street, from Ninth avenue to Boulevard.
Repairing One Hundred and Twenty-seventh street, from Sixth avenue to Eighth avenue.
Repairing One Hundred and Thirty-first street, from Sixth avenue to Eighth avenue.
Repairing One Hundred and Thirty-second street, from Sixth avenue to Eighth avenue.
Repairing One Hundred and Thirty-third street, from Sixth avenue to Eighth avenue.
Repairing One Hundred and Thirty-fourth street, from Sixth avenue to Eighth avenue.
Repairing One Hundred and Thirty-fifth street, from Sixth avenue to Avenue St. Nicholas.
Repairing One Hundred and Thirty-eighth street from Old Broadway to Western Boulevard.
Repairing One Hundred and Forty-third street from Old Broadway to Western Boulevard.
Repairing One Hundred and Forty-fourth street, from Old Broadway to Western Boulevard.
Repairing One Hundred and Fifty-fourth street from Seventh avenue to McComb's Dam road.
Repairing One Hundred and Fifty-fifth street from Ninth avenue to Avenue St. Nicholas.
Repairing One Hundred and Seventy-third street from Tenth avenue to Kingsbridge road.
Repairing Eighth avenue from One Hundred and Twenty-fifth to One Hundred and Thirty-fifth streets.
Repairing Tenth avenue from Sixty-seventh to Eighty-sixth street.
Repairing Tenth avenue from One Hundred and Fifth to One Hundred and Seventeenth street.
Repairing Tenth avenue from One Hundred and Forty-fifth to One Hundred and Fifty-first street.
Repairing Old Broadway from One Hundred and Thirty-eighth to One Hundred and Forty-fifth street.
Repairing McComb's Dam road from One Hundred and Fiftieth to One Hundred and Fifty-fourth street.
Repairing Kingsbridge road from One Hundred and Fifty-fifth street to Spuyten Duyvil.

Material used on the above works was as follows:

Earth and clay	2,569 cubic yards.
Sharp gravel	133 "
Lime stone chips	400 "
Total	3,102 "

The force employed during the quarter ending June 30, 1882, on "Roads, Streets and Avenues Unpaved—Maintenance of" is as follows:

1 foreman, 24 laborers, 7 two-horse teams, and 1 horse and cart—Total force 33.

The following is a list of roads and streets that have been sprinkled during the quarter ending June 30, 1882:

Kingsbridge road, from One Hundred and Fifty-fifth street to Kingsbridge.
McComb's Dam road, from One Hundred and Forty-ninth street to McComb's Dam bridge.
Tenth avenue, from One Hundred and Forty-fifth street to One Hundred and Fifty-fifth street.

The following is the amount appropriated for "Roads, Streets and Avenues unpaved—Maintenance of":

Amount appropriated 1882	\$30,000 00
Amount expended for the first quarter	2,795 97
Balance April 1, 1882	\$27,204 03

Amount expended for the second quarter ending June 30, 1882, is as follows:

Pay-roll of laborers, etc., for March 31	\$691 71
Pay-roll of laborers, etc., for April 15	850 62
Pay-roll of laborers, etc., for April 30	906 06
Pay-roll of laborers, etc., for May 15	883 04
Pay-roll of laborers, etc., for May 31	1,026 79
Pay-roll of laborers, etc., for June 15	1,116 86
Repairing tools, rollers and scrapers	65 75
Horse keeping and shoeing	183 00
Lime stone chips	900 00
	6,623 83
Balance July 1, 1882	\$20,580 20

Respectfully,

JAMES J. MOONEY, Superintendent of Streets.

Document "I."

REPORT OF SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF LAMPS AND GAS,
NEW YORK, July 7, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works:

SIR—In compliance with your directions, I herewith submit a report of the transactions of the Bureau of Lamps and Gas for the three months ending June 30, 1882.

In Exhibit "A" will be found a statement showing the amounts paid for gas to the various public markets, offices, armories, etc., and for the lighting and maintenance of the public lamps. In Exhibit "B" is a summary of the appropriation for "Lamps and Gas and Electric Lighting," and this shows an expenditure during the quarter of one hundred and thirty-eight thousand eight hundred and eleven dollars and twenty-four cents (\$138,811.24), and for the six months of two hundred and thirty-four thousand four hundred and three dollars and eighty-five cents (\$234,403.85), with liabilities amounting to forty-three thousand seven hundred and thirty dollars and one cent (\$43,730.01), leaving an available balance of three hundred and five thousand nine hundred and seventy-four dollars and fourteen cents. (\$305,974.14). Exhibit "C" is a summary of the appropriation for Salaries, Lamps and Gas and Electric Lighting, and shows an expenditure during the quarter of fourteen hundred and fifty dollars and ninety-eight cents (\$1,450.98), and for the six months of twenty-eight hundred and ninety-five dollars and ninety-six cents (\$2,895.96), leaving an available balance of twenty-nine hundred and ninety-six dollars and four cents (\$2,996.04). Exhibit "D" is a summary of the "Lamp Account," and shows a total of three hundred and sixteen new gas lamps lighted, thirty-two old gas lamps relighted, and two hundred and sixteen gas lamps discontinued, and seventeen new electric lamps lighted during the quarter. The total number of gas lamps lighted on June 30 was twenty-three thousand and six hundred and sixty-six, and the total number of electric lamps was seventy-two. One hundred and forty-eight of the gas lamps discontinued were displaced by the seventeen new electric lamps, and the net increase in the number of gas lamps during the quarter was one hundred and forty-nine. Exhibit "E" is a statement showing the lowest, highest, and average illuminating powers of the gases supplied by the New York, Manhattan, Metropolitan, New York Mutual, Municipal, and Harlem Gas Light Companies. Occasional tests have also been made at Yonkers of the gas supplied to a portion of the Twenty-fourth Ward by the Yonkers Gas Light Company, and the average illuminating power was found to be twenty-four candles.

The following table will show the average amount of impurities found in the gases of the several companies, as ascertained by the analyses of Mr. E. G. Love, the official Gas Examiner, in the laboratories of this Department:

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	SULPHURETTED HYDROGEN.
New York Gas-light Co.....	10.16	0.46	None.
Manhattan Gas-light Co.....	15.81	7.59	"
New York Mutual Gas-light Co.....	4.19	0.36	Constantly present.
Municipal Gas-light Co.....	2.72	0.22	None.
Metropolitan Gas-light Co.....	20.72	2.33	"
Harlem Gas-light Co.....	28.33	None.	Constantly present in considerable quantities.

The following will show the specific gravity of the gases:

New York Gas-light Company, specific gravity.....	.627 to .668
Manhattan Gas-light Company, specific gravity.....	.404 to .416
New York Mutual Gas-light Company, specific gravity.....	.748 to .778
Municipal Gas-light Company, specific gravity.....	.635 to .642
Metropolitan Gas-light Company, specific gravity.....	.568 to .590
Harlem Gas-light Company, specific gravity.....	.433 to .441

The following will show the average maximum and minimum pressure on the mains of the above named companies during the quarter, as recorded on the pressure registers in the photometrical rooms of this Department, the average being taken from the night pressure:

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
	Inches.	Inches.		Miles.
New York Gas-light Co.....	2.04	1.83	Cor. Bowery and Grand street.	2 4-100
Manhattan Gas-light Co.....	2.94	1.50	"	1 33-100
New York Mutual Gas-light Co....	2.82	1.95	"	1 79-100
Municipal Gas-light Co.....	2.62	1.49	"	3 50-100
Metropolitan Gas-light Co.....	1.78	0.82	{ Seventy-ninth street, between Second and Third avenues. }	3 33-100
Harlem Gas-light Co.....	2.99	1.32	{ Seventy-ninth street, between Second and Third avenues. }	1 75-100

Contracts have been made during the quarter with the New York, Manhattan, Metropolitan, New York Mutual, Harlem, Central, Northern and Yonkers Gas-light Companies, for the lighting and maintenance of the gas-lamps for the year, commencing May 1, 1882, and ending April 30, 1883; the prices being the same as paid during the past year. A contract has also been made, for the same period, with the Brush Electric Illuminating Company, for lighting the electric lamps on Union and Madison Parks; Broadway, from Fourteenth to Thirty-fourth streets; Fifth avenue, from Fourteenth to Thirty-fourth streets; Fourteenth street, from Broadway to Fifth avenue; and Thirty-fourth street, from Broadway to Fifth avenue, at the rate of seventy cents for each lamp per night.

Also, one with the United States Electric Illuminating Company, for lighting the Battery, City Hall, and Washington Parks; Broadway, from Canal to Fourteenth streets; and Fifth avenue, from Washington Square to Fourteenth street, at seventy cents for each lamp per night. Under this latter contract, ten electric lamps have been lighted on City Hall Park, and seven in Fifth avenue, from Washington Square to Fourteenth street; these seventeen electric lamps displacing one hundred and forty-eight gas lamps, the lighting of which cost \$17.50 per year each, against 70 cents per night for each electric light. The balance of the electric lamps to be lighted by the United States Company will be erected and lighted during the ensuing month.

Respectfully submitted,

S. McCORMICK, Superintendent Lamps and Gas.

EXHIBIT "A."

Statement showing the Amount on Vouchers drawn for Gas to the various Public Markets, Offices, Armories, etc., and for Fitting up, Repairing, and Lighting the Public Lamps, etc., for the Quarter ending June 30, 1882:

Washington Market.....	\$356 12	
Catharine Country Market.....	14 71	
Catharine Meat Market.....	11 38	
Fulton Meat Market.....	379 75	
Fulton Country Market.....	231 35	
Essex Market.....	74 37	
Centre Market.....	230 60	
Clinton Market.....	134 92	
Union Market.....	6 83	
Tompkins Market.....	228 55	
Jefferson Market.....	99 39	
		\$1,773 97
First District Police Court.....	\$189 87	
Second District Police Court.....	79 98	
Third District Police Court.....	74 72	
Fourth District Police Court.....	52 85	
Fifth District Police Court.....	39 37	
Court of Special Sessions.....		
First District Civil Court.....	36	
Second District Civil Court.....	13 48	
Fourth District Civil Court.....	17 50	
Fifth District Civil Court.....	18 55	
Sixth District Civil Court.....	4 02	
Eighth District Civil Court.....	3 16	
Ninth District Civil Court.....	3 39	
Court Room, Brown Stone Building.....	35 35	
New Court House.....	980 00	
City Hall.....	358 22	
Department Public Works.....	163 63	
Receiver of Taxes Office.....	208 07	
Corporation Attorney's Office.....	61 08	
Pipe Yard, Rivington street.....	1 93	
County Jail.....	477 22	
Clock Tower.....	289 28	
South Gate House.....	8 54	
Engine House, Highbridge.....	111 82	
Engine House, Ninety-eighth street.....	188 77	
Photometrical Room, Grand street.....	11 71	
Photometrical Room, Seventy-ninth street.....	18 98	
Assessment Commission.....	3 67	
		3,415 52
Seventh Regiment Armory.....	\$564 84	
Eighth Regiment Armory.....	256 38	
Ninth Regiment Armory.....	350 18	
Eleventh Regiment Armory.....	125 12	
Twelfth Regiment Armory.....	133 51	
Twenty-second Regiment Armory.....	310 10	
Sixty-ninth Regiment Armory.....	396 02	
Seventy-first Regiment Armory.....	173 42	
Gatling Battery E.....	57 58	
Battery K.....	25 55	
		2,392 70
Public Bath, Battery.....	\$3 67	
" Gouverneur Slip.....	5 95	
" Fifth street, East river.....	6 47	
" Bethune street.....	4 55	

Public Bath, Nineteenth street, East river.....	\$1 93
" Thirty-seventh street, East river.....	3 67
" Fifty-first street, North river.....	3 75
" One Hundred and Twelfth street, East river.....	3 60
	\$33 59

Lighting Public Markets.....	\$454 00
New Lamp-posts.....	2,337 50
New Lamp-posts in Twenty-third and Twenty-fourth Wards.....	682 50
New Street Lamps.....	1,451 00
New Street Lamps in Twenty-third and Twenty-fourth Wards.....	825 00
New Boulevard Lamps.....	1,125 00
Iron Bolts.....	4 00
Drawing Material.....	16 90
Supplies for Photometrical Room.....	149 47
Gas Examinations.....	312 50
Traveling Expenses.....	62 50
Photometrical Rooms Rent.....	240 00
	7,660 37

Fitting up New Lamps.....	\$1,292 00
Fitting up New Lamps, Twenty-third and Twenty-fourth Wards.....	1,310 00
Lighting Public Lamps.....	91,754 47
Lighting Public Lamps, Twenty-third and Twenty-fourth Wards.....	24,056 10
Resetting and Repairing Lamp Posts.....	2,333 50
Resetting and Repairing Lamp Posts, Twenty-third and Twenty-fourth Wards.....	115 50
Lighting Electric Lamps.....	2,673 52

123,535 09

\$138,811 24

RECAPITULATION.

Gas to Public Offices, etc.....	\$7,615 78
Supplies to Public Lamps, etc.....	6,152 87
Supplies to Public Lamps, Twenty-third and Twenty-fourth Wards.....	1,507 50
Fitting up New Lamps.....	1,292 00
Fitting up New Lamps, Twenty-third and Twenty-fourth Wards.....	1,310 00
Resetting and Repairing Lamp Posts.....	2,333 50
Resetting and Repairing Lamp Posts, Twenty-third and Twenty-fourth Wards.....	115 50
Lighting Public Lamps.....	94,427 99
Lighting Public Lamps, Twenty-third and Twenty-fourth Wards.....	24,056 10

\$138,811 24

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting" for 1882, showing the Balance against which no Vouchers have been drawn, with the Amount of Liabilities for the Quarter ending June 30, 1882.

Amount appropriated for "Lamps and Gas and Electric Lighting" for 1882.....	\$584,108 00
Amount of vouchers drawn during quarter ending March 31, 1882.....	\$95,592 61
Amount of vouchers drawn during quarter ending June 30, 1882.....	138,811 24

234,403 85

Balance against which no vouchers have been drawn..... \$349,704 15

LIABILITIES.

New York Gas-light Co., lighting public lamps, June.....	\$5,364 93
Manhattan Gas-light Co., lighting public lamps, June.....	9,740 05
Metropolitan Gas-light Co., lighting public lamps, June.....	6,799 42
N. Y. Mutual Gas-light Co., lighting public lamps, June.....	1,311 54
Harlem Gas-light Co., lighting public lamps, June.....	8,194 23
Central Gas-light Co., lighting public lamps, June.....	4,770 86
Northern Gas-light Co., lighting public lamps, June.....	3,128 00
Yonkers Gas-light Co., lighting public lamps, June.....	840 58
Brush Electric Illuminating Co., lighting public lamps, June.....	1,375 50
United States Illuminating Co., lighting public lamps, June.....	81 90
J. L. Mott Iron Works, circular lamp cluster.....	75 00
" 65 lamp-posts, Twenty-third and Twenty-fourth Wards.....	682 00
" 65 lamp-irons, Twenty-third and Twenty-fourth Wards.....	48 00
Bartlett Lamp Manufacturing Co., 10 green globes.....	30 00
" 75 lamp-irons.....	23 00
Francis McEntee, 2 granite base-stones.....	160 00
Henry Mehles, maps of New York Gas Co.'s district.....	450 00
John Matthews, 3,450 glass street signs.....	655 00
	43,730 01

Balance available June 30, 1882..... \$305,974 14

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries Chargeable to," for 1882, showing the Amount drawn on Pay Rolls to June 30, 1882, with the Balance against which no Vouchers have been drawn for the Quarter ending June 30, 1882:

Amount appropriated for "Lamps and Gas and Electric Lighting—Salaries".....	\$5,892 00
Amount drawn on Pay Rolls during the quarter ending March 31, 1882.....	\$1,444 98
Amount drawn on Pay Rolls during the quarter ending June 30, 1882.....	1,450 98

2,895 96

Balance available June 30, 1882..... \$2,996 04

EXHIBIT "D."

Summary of the Lamp Account, showing the number of New Lamps Lighted, Old Lamps Relighted, and number Discontinued by each Gas Company during the Quarter ending June 30, 1882.

NEW YORK GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	3,568
Number of new lamps lighted during the quarter.....	14
Number of old lamps relighted during the quarter.....	7
	3,589
Less lamps discontinued during the quarter.....	113
	3,476

MANHATTAN GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	6,571
Number of new lamps lighted during the quarter.....	8
Number of old lamps relighted during the quarter.....	3
	6,582
Less lamps discontinued during the quarter.....	53
	6,529

METROPOLITAN GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	4,497
Number of new lamps lighted during the quarter.....	49
Number of old lamps relighted during the quarter.....	8
Less lamps discontinued during the quarter.....	4,554
Number of lamps lighted June 30, 1882.....	4,528

NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	891
Number of new lamps lighted during the quarter.....	
Number of old lamps relighted during the quarter.....	891
Less lamps discontinued during the quarter.....	4
Number of lamps lighted June 30, 1882.....	887

HARLEM GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	4,859
Number of new lamps lighted during the quarter.....	66
Number of old lamps relighted during the quarter.....	11
Less lamps discontinued during the quarter.....	4,936
Number of lamps lighted June 30, 1882.....	4,925

CENTRAL GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	1,899
Number of new lamps lighted during the quarter.....	20
Number of old lamps relighted during the quarter.....	3
Less lamps discontinued during the quarter.....	1,922
Number of lamps lighted June 30, 1882.....	1,920

NORTHERN GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	1,147
Number of new lamps lighted during the quarter.....	33
Number of old lamps relighted during the quarter.....	
Less lamps discontinued during the quarter.....	1,180
Number of lamps lighted June 30, 1882.....	1,173

YONKERS GAS-LIGHT COMPANY.

Number of lamps lighted March 31, 1882.....	102
Number of new lamps lighted during the quarter.....	126
Number of old lamps relighted during the quarter.....	
Less lamps discontinued during the quarter.....	228
Number of lamps lighted June 30, 1882.....	228

Total number of gas-lamps lighted June 30, 1882..... 23,666

BRUSH ELECTRIC ILLUMINATING COMPANY.

Number of electric lamps lighted March 31, 1882.....	55
Number of new electric lamps lighted during the quarter.....	
Number of old electric lamps relighted during the quarter.....	
Less electric lamps discontinued during the quarter.....	55
Number of lamps lighted June 30, 1882.....	55

UNITED STATES ILLUMINATING COMPANY.

Number of electric lamps lighted March 31, 1882.....	
Number of new electric lamps lighted during the quarter.....	17
Number of old electric lamps relighted during the quarter.....	
Less electric lamps discontinued during the quarter.....	17
Number of lamps lighted June 30, 1882.....	17

Total number of gas and electric lamps lighted June 30, 1882..... 23,738

RECAPITULATION.

Number of gas lamps lighted March 31, 1882.....	23,534
Number of electric lamps lighted March 31, 1882.....	55
Number of new gas lamps lighted during the quarter.....	316
Number of old gas lamps relighted during the quarter.....	32
Number of new electric lamps lighted during the quarter.....	17
Less gas lamps discontinued during the quarter.....	23,954
Total number of lamps lighted June 30, 1882.....	23,738

EXHIBIT "E."

Statement giving the Illuminating Power of the Gas supplied by the several Gas-Light Companies during the Quarter ending June 30, as shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.	NEW YORK GAS CO.			MUNICIPAL GAS CO.			N. Y. MUTUAL GAS CO.			METROPOLITAN GAS CO.			MANHATTAN GAS CO.			HARLEM GAS 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.		
Week ending.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
April 8.....	19.08	23.38	20.96	27.41	28.92	27.96	20.36	28.72	27.96	23.16	24.51	23.77	16.22	20.24	18.52	19.61	20.39	19.88
" 15.....	18.83	24.17	22.07	27.02	28.15	27.35	20.79	24.20	22.01	22.06	23.05	22.48	17.80	18.65	18.22	18.31	19.27	18.92
" 22.....	21.40	22.46	21.88	27.19	29.25	28.14	21.90	25.60	23.81	20.89	25.68	22.95	17.01	18.00	17.32	18.02	19.94	18.24
" 29.....	21.30	23.88	22.89	26.90	29.00	28.08	25.88	26.91	26.44	22.57	23.36	22.96	17.02	18.90	18.19	17.84	19.56	18.64
May 6.....	19.60	23.26	21.37	27.32	28.54	27.87	25.75	26.91	26.11	23.22	23.62	23.41	16.32	18.71	17.39	19.00	19.59	19.28
" 13.....	19.25	26.46	22.39	27.39	28.45	27.87	22.28	26.65	25.09	21.87	23.33	22.77	17.22	18.26	17.73	18.21	19.32	18.64
" 20.....	19.47	22.14	21.09	26.84	29.36	27.93	25.41	27.94	26.53	22.09	22.64	22.38	17.96	18.66	18.33	18.18	19.13	18.81
" 27.....	20.28	24.17	22.95	27.34	29.62	28.47	22.51	29.37	25.39	22.31	23.52	22.91	17.63	18.42	18.04	18.06	18.35	18.22
June 3.....	20.14	23.06	21.74	26.29	29.32	28.20	23.98	27.41	25.79	22.33	23.31	22.97	17.73	19.11	18.37	18.09	18.94	18.46
" 10.....	21.74	24.91	23.51	27.60	29.76	28.58	24.11	27.71	25.92	22.13	24.91	23.66	17.15	17.95	17.90	18.16	19.53	18.82
" 17.....	19.8	25.62	22.13	26.77	27.96	27.96	27.21	29.08	27.82	22.76	24.13	23.51	16.36	17.51	17.04	18.71	20.04	19.49
" 24.....	20.04	24.92	22.36	27.52	30.84	29.40	24.85	28.50	26.02	22.25	23.08	22.63	17.70	19.71	18.61	18.21	19.35	18.64
Distance from Gas Works..	2 1/10 Miles.			3 6/10 Miles.			1 7/10 Miles.			3 1/10 Miles.			1 8/10 Miles.			1 5/10 Miles.		
Testing Burner	Bray's Slit Union No. 7.			Bray's Slit Union No. 7.			Bray's Slit Union No. 7.			Bray's Slit Union No. 6.			Empire 5 feet.			Empire 5 feet.		

Document "J."

CITY OF NEW YORK—DEPARTMENT OF PUBLIC WORKS,
BUREAU OF REPAIRS AND SUPPLIES,
SUPERINTENDENT'S OFFICE, 31 CHAMBERS STREET, ROOM 15,
NEW YORK, August 12, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works:

SIR—In compliance with your instructions, I have the honor to submit the following report of the transactions of this Bureau for the three months ending June 30, 1882:

The annexed exhibit shows the condition of the appropriations credited to this Bureau, and available balances.

Among the principal items of work were the following:

NEW COURT-HOUSE.

Some painting has been done in County Clerk's office, and an additional room fitted up for the use of Commissioners of Accounts.

CITY HALL.

The dome of tower has been tinned, and the entire structure above the roof repaired and painted.

BROWN STONE BUILDING.

In the office of District Attorney, partitions have been changed and added to, on the second and third floors. Water closets and urinals have been taken out, and closets and urinals of the latest and most approved pattern put in.

31 CHAMBERS STREET.

A fire-proof vault has been constructed in basement for the reception and safe keeping of Departmental documents.

To secure proper ventilation of the office of the Water Register, a large galvanized iron ventilating shaft has been put up, running from said office and carried through roof of building.

Partitions have been put up in Bureau of Sewers, and a galvanized iron leader on Reade street side of building.

HALL OF RECORDS.

Racks and cases for accommodation of books and records have been constructed.

THIRD DISTRICT COURT-HOUSE.

The roof has been repaired and painted.

FIFTH DISTRICT COURT-HOUSE.

Roof repaired and painted.

CLINTON MARKET.

The plaster ceilings on Washington street side have been repaired and made good.

ESSEX MARKET.

Four platforms for water-closets have been put up in basement, and floors repaired.

TOMPKINS MARKET.

The steps of entrance on Hall place side of building have been repaired, and the old gas system in basement has been taken out and new one substituted.

DOG POUND.

The drowning cage and derrick have been overhauled and properly repaired.

ELEVENTH REGIMENT ARMORY.

Closets, cases and gun-racks have been put up for the safe keeping of regimental property.

5 DUANE STREET.

This building, an old engine-house, has been assigned to use of Public Administrator and has been fitted up and made secure for the safe keeping of effects of intestates.

FREE FLOATING BATHS.

The eight free floating baths have been painted throughout, and towed from their winter quarters in Gowanus basin, and placed in commission at their several stations. Gas fitting has been repaired and connection made with service on piers. A new bridge has been supplied to each of seven baths. A new bath has been built and located at foot of Lighthouse street, North river; it was put in commission on June 23, 1882.

The following is the number of bathers for month of June, 1882:

Bath.	Males.	Females.	Total.
Fifth street.....	59,457	23,511	82,968
Gansevoort street.....	59,835	19,754	79,589
Nineteenth street.....	60,276	16,981	77,257
Thirty-seventh street.....	47,000	19,467	66,467
One Hundred and Twelfth street.....	26,679	10,795	37,474
Battery.....	55,360	20,885	76,245
Bethune street.....	45,528	10,577	56,105
Fifty-first street.....	35,106	10,951	46,057
Lighthouse street.....	26,672	11,473	38,145
	416,003	144,394	560,397

For further information with regard to work on Fulton and Jefferson Markets, I respectfully call your attention to the annexed report of the Architect, Douglas Smyth, Esq.

Very respectfully yours,

THOMAS H. MCAVOY, Supt. Bureau Repairs and Supplies.

NEW YORK, July 29, 1882.

THOS. H. MCAVOY, Esq.:

SIR—I have the honor to report, at your request, the condition of works under my supervision. The contract for Fulton Market alterations, awarded to B. Gallagher, May 18, was started soon after this date. The piling and foundations have been completed, new sheds built, and the work seems in a fair way to be finished within the specified time. Up to June 30, the contract for rebuilding Jefferson Market had not been executed. All working drawings and detail drawings for work on both markets have been furnished by me to the contractors.

Respectfully yours,

DOUGLAS SMYTH.

EXHIBIT

Showing the Condition of the Appropriations credited to the Bureau of Repairs and Supplies, upon which Vouchers have been drawn during the Second Quarter.

July 1, 1882.

Free Floating Baths—	
Amount of appropriation, 1882.....	\$15,215 00
" vouchers drawn, first quarter.....	
Balance April 1, 1882.....	\$15,215 00
Amount of vouchers drawn second quarter.....	\$4,266 09
" liabilities, estimated.....	3,343 47
Balance July 1, 1882.....	\$7,105 44
Fulton Market—Alterations and Repairs—	
Amount of appropriation, 1882.....	\$100,000 00
" vouchers drawn, first quarter.....	200 00
Balance April 1, 1882.....	\$99,800 00
Amount of vouchers drawn, second quarter.....	\$6,062 75
" liabilities, estimated.....	76,032 02
Balance July 1, 1882.....	\$17,705 23

Jefferson Market—Alterations and Rebuilding—	
Amount of appropriation, 1882.....	\$70,000 00
Against which no liabilities have accrued.....	
Public Buildings—Construction and Repairs—	
Amount of appropriation, 1882.....	\$48,000 00
“ vouchers drawn first quarter.....	6,312 44
Balance April 1, 1882.....	\$41,687 56
Credit by transfer of June 29th.....	5,000 00
	\$46,687 56
Amount of vouchers drawn second quarter.....	\$13,747 49
“ liabilities, estimated.....	6,234 07
	19,981 56
Balance July 1, 1882.....	\$26,706 00

SUPPLIES FOR AND CLEANING PUBLIC OFFICES.

Amount of appropriation for 1882.....	\$70,000 00
Amount of vouchers drawn first quarter.....	27,734 18
Balance April 1, 1882.....	\$42,265 82
Amount of vouchers drawn second quarter.....	\$20,413 78
Amount of liabilities estimated.....	4,075 00
	24,488 78
Balance July 1, 1882.....	\$17,777 04

FITTING UP FIFTH REGIMENT ARMORY—ESSEX MARKET OF 1881.

Amount of Balance January 1, 1882.....	\$11,100 00
Amount of Vouchers drawn first quarter.....	8,100 00
Balance April 1, 1882.....	3,000 00
Amount of vouchers drawn second quarter.....	3,000 00

COUNTY COURT HOUSE BUILDING—COMPLETION OF, 1880.

Amount of vouchers drawn first six months of 1882.....	\$128 95
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CONSTRUCTION AND MAINTENANCE OF ADDITIONAL PUBLIC BATH, 1881.

Amount of Balance, less transfers, on January 1, 1882.....	\$8,739 00
Amount drawn on contract second quarter.....	8,739 00

FREE FLOATING BATHS—SALARIES.

Amount of appropriation for 1882.....	\$17,785 00
Amount of vouchers drawn first quarter.....	\$675 00
Amount of vouchers drawn second quarter.....	3,908 50
	4,583 50
Balance July 1, 1882.....	\$13,201 50

SUPPLIES FOR AND CLEANING PUBLIC OFFICES—SALARIES.

Amount of appropriation for 1882.....	\$23,000 00
Amount of vouchers drawn first quarter.....	\$5,911 77
Amount of vouchers drawn second quarter.....	6,187 23
	12,099 00
Balance July 1, 1882.....	\$10,901 00

Document “K.”

REPORT OF BUREAU OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF INCUMBRANCES, ROOM 16, 316 CHAMBERS STREET,
NEW YORK, July 18, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works.

SIR—I submit herewith a report of the business of this Bureau, for the quarter ending June 30, 1882, (months of April, May and June).
Number of complaints received and notices issued for the removal of obstructions and incumbrances on the streets and sidewalks, 961.
Number of removals of merchandise, wagons, trucks, stands, boxes, stones, dirt, etc., to the Corporation Yard, or other suitable place, 308.
Cost of such removals (including 1,458 loads of stone and dirt) from various parts of the city, \$1,408.30.
Total expenses for the quarter, \$2,240.30.
Received by redemption of seized articles, \$70.
Received from sale at Corporation Yard, May 5, 1882, \$134.45.
Received from sale of houses, sheds, old iron, etc., May 16, 1882, \$507.50.
Total receipts, \$711.95—
which has been duly paid over to the City Chamberlain.

Number of permits issued to builders..... 2,382
“ special permits..... 286
“ notices issued to repair sidewalks..... 112

Frequent complaints having been made that the carriage stones placed on the sidewalks, near to the curb, in front of many of the uptown residences, are dangerous by reason of many persons stumbling and falling over them at night, and from the fact that nearly all carriages are now built so low that no such stepping stone is necessary—I have, in accordance with your instructions, caused notices to be sent to the owners of these stones, asking their removal, and I find most of these owners are willing to comply with such request, and to do away with them. This is another step in the direction of clearing the sidewalks of obstructions, and making them free and clear for the public use. The removals during the last quarter, as will be seen, are in excess of those of any former like period of time, and the resources of this Bureau are fully taxed to keep up with the demands made upon it.

Respectfully,
JOSEPH BLUMENTHAL, Superintendent of Incumbrances.

Document “L.”

REPORT OF BUREAU OF WATER REGISTER.

BUREAU OF WATER REGISTER—31 CHAMBERS STREET,
NEW YORK, June 30, 1882.

Hon. HUBERT O. THOMPSON, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties, and taps, for the quarter ending June 30, 1882:

	Principal.	Penalties.	Taps.
April.....	\$47,331 99	\$545 70	\$1,218 00
May.....	186,075 60	526 35	1,027 50
June.....	233,481 73	302 55	1,025 50
	\$466,889 32	\$1,374 60	\$3,271 00
Total.....		\$471,534 92.	

Deposit to the credit of Special Meter Stock—

April.....	\$2,289 11
May.....	1,391 81
June.....	2,906 09
Total.....	\$6,587 01

Special Fund—Repaving Streets—

April.....	\$1,198 00
May.....	1,102 00
June.....	1,282 00
Total.....	\$3,582 00

Respectfully submitted,

J. H. CHAMBERS, Water Register.

FINANCE DEPARTMENT.

Abstract of transactions of the Finance Department for the week ending September 9, 1882:

Deposits in the Treasury.

To the Credit of the Sinking Fund.....	\$552,853 63
“ City Treasury.....	554,858 89
Total.....	\$1,107,712 52

Bonds and Stocks Issued.

Three and one-half per cent. Bonds.....	\$388,400 00
Four “ “.....	170,000 00
Total.....	\$558,400 00

Warrants Registered and Ready for Payment.

Advertising.....	\$466 00
Aqueduct—Repairs, Maintenance, and Strengthening.....	27,083 46
Armories and Drill Rooms, Rent of.....	837 00
Asylum for Idiots.....	582 00
Assessment Fund, June 9, 1880.....	29,242 00
Assessment Fund—After June 9, 1880.....	420 84
Boulevards, Roads and Avenues—Maintenance of.....	2,856 18
“ “ Unpaved, etc.....	1,239 50
Bronx River Bridges—Rebuilding, etc.....	73 09
Contingencies—Comptroller's Office.....	311 96
“ Department of Taxes and Assessments.....	25 00
“ District Attorney's Office.....	1,081 93
“ Law Department.....	459 64
“ Mayor's Office.....	133 67
Cleaning Streets—Department of Street Cleaning.....	50,314 71
Coroners' Salaries and Expenses.....	997 00
Croton Water Fund.....	14,237 17
Commissioners of Excise Fund.....	73 00
Construction of Bridge over Harlem River.....	262 54
Dock Fund.....	114,105 68
Flagging Sidewalks, etc.....	365 00
Fire Department Fund.....	25,255 50
Free Floating Baths.....	554 61
For Surveys, Maps, Plans, etc.....	133 41
Fulton Market—Alterations and Repairs.....	865 50
Health Fund.....	5,234 43
Hospital Fund.....	94 60
Interest on the City Debt.....	2,420 00
Jefferson Market—Alterations and Repairs.....	108 00
Lamps, Gas and Electric Lighting.....	258 50
Laying Croton Pipes.....	12,164 66
Maintenance and Government of Parks and Places.....	5,131 65
Maintenance Twenty-third and Twenty-fourth Wards.....	2 70
Morningside Park—Improvement Fund.....	250 00
New York State Homeopathic Asylum.....	469 09
New York State Lunatic Asylum.....	431 97
Public Buildings—Construction and Repairs.....	189 00
Public Charities and Correction.....	28,641 90
Public Instruction.....	10,506 51
Printing, Stationery and Blank Books.....	1,765 78
Refunding Taxes Paid in Error.....	574 37
Repairing and Renewal of Pavements and Regrading.....	16,534 69
Repairs and Renewal of Pipes, Stop-cocks, etc.....	7,045 09
Rents.....	250 00
Repaving Streets and Avenues, Chapter 476, Laws of 1875.....	18,392 23
Restoring and Repaving—Special Fund.....	904 00
Salary of the Physician to the County Jail.....	83 33
Salaries—Department of Public Works.....	6,533 48
Sewers—Repairing and Cleaning.....	6,011 99
Surveys, Maps, Plans, etc.....	383 08
Surveying, Laying out, etc.....	839 40
Support of Prisoners in County Jail.....	892 31
Supplies for and Cleaning Public Offices.....	6,507 92
Street Improvement Fund—June 9, 1880.....	2,998 81
Street Improvement Fund—Riverside Avenue.....	75 00
Street Improvements authorized, etc., after June 9, 1880.....	58,884 89
Street Improvements authorized above Fifty-ninth street, June 9, 1880.....	646 17
Water Supply for Twenty-fourth Ward.....	181 50
Wells and Pumps—Repairing and Cleaning.....	34 41
Total.....	\$467,419 85

SUITS, ORDERS OF COURT, JUDGMENTS, ETC.

COURT.	NAME OF PLAINTIFF.	AMOUNT.	NATURE OF ACTION.	ATTORNEY.
Com. Pleas	Robert Law	\$10,000 00	For damages for personal injuries received from falling into hole in sidewalk at south-east corner of Spring and Hudson streets, on January 7, 1881	C. S. Spencer.
Supreme..	Henry Hughes.....	72 33	For repayment of amount paid on account of assessment on his property in Block 831, for sewer in Seventh avenue, between One Hundred and Twenty-first and One Hundred and Thirty-seventh streets	P. A. Hargous.
"	John Bergen.....	5,000 00	For damages by reason of injuries received by his horse from jumping on a pile of stones on west side of Seventh avenue, between Thirty-sixth and Thirty-seventh streets, on June 8, 1882	J. R. Flanders.
"	Joseph Hall	3,350 00	For salary as Patrolman on the police force, from September 23, 1879, to July 1, 1882	J. L. Contrell.
Com. Pleas	P. M. Schlichter.....	10,000 00	For damages for injuries received by falling on ice on Twenty-seventh street, between Ninth and Tenth avenues, on February 26, 1881	O. J. Hochstadter.
Supreme..	Geo. F. Fielding	5,000 00	For damages for personal injuries received by falling through Harlem River Draw-bridge, on November 10, 1881	W. K. Hall.
Asst. Com.	Robert McCafferty...		Certificates of the Commissioners reducing assessments, as follows: Ninetieth street regulating, from Fifth to Tenth avenue	
"	Amos R. Eno.....		Fifty-sixth street Nicholson pavement, Seventh to Ninth avenue	
"	Wm. C. Lester		Second avenue paving, Eighty-sixth to One Hundred and Twenty-fifth street	
"	Wm. Lalor.....	88 78	Certificates of the Commissioners of awards made for the return of moneys paid for assessments, as follows: For Sixth and Seventh avenues and St. Nicholas avenue, from One Hundred and Tenth to One Hundred and Sixteenth street	
"	Thomas McMullen...	79 70	For Sixth avenue sewer, from One Hundred and Twenty-ninth to One Hundred and Forty-seventh street	
"	Abraham Slater.....	15 51	For Sixth and Seventh avenue sewers, from One Hundred and Sixteenth to One Hundred and Twenty-fifth street	
"	Anne Bishop.....	419 20		
"	Clarissa L. Crane, et al., executors.....	59 48		
"	P. H. Walsh, assignee.	116 19	Seventh avenue sewer, from One Hundred and Twenty-first to One Hundred and Thirty-seventh street	
"	Jos. & Wm. L. Spears	43 88		
"	Wm. T. Lett	27 79		
"	Rose & Mary Qualy.	9 26		
"	Riker Rockefeller....	41 96		
"	John L. Caldwell.....	167 85		
"	Clarissa L. Crane, et al., executors.....	27 98		
"	P. H. Walsh, assignee	153 86	Seventh avenue regulating, grading, etc., from One Hundred and Tenth street to Harlem river	
"	H. W. Coates, ex'r ..	36 37		
"	H. T. Livingston.....	4 66		
"	W. Lalor	133 06		
"	Thomas McMullen, executor.....	55 95		
"	Wm. T. Lett	55 95		
"	Jos. & Wm. C. Spears.	13 99		
"	Charles L. Mead.....	75 25		
"	Abraham Slater.....	5 51		
"	Rosa & Mary Qualy..	8 26		
"	Anne Bishop.....	1,012 91	Sixth avenue macadamizing, etc., from One Hundred and Tenth street to Harlem river	
"	Harman Hoover	41 31		
"	Thomas McPherson..	33 05		
"	Jos. & Wm. C. Spears.	16 52		

CLAIMS FILED, ETC.

CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.
L. E. Decker, Springfield, L. I.....	\$125 00	For damages to horse and wagon and goods from collision with Hook & Ladder Co. No. 10, at corner of Water and Beekman streets	
John Gibson, owner of barge "Arthur Cull".....	36 08	For damages to said barge on May 23, 1882, while employed by the Department of Street Cleaning and the Department of Public Charities and Correction, etc.	R. J. Morrisson.
J. W. Pirsson.....	232 89	For excess in payment on account of assessment for Riverside Park, Blocks 112, 126 and 210	C. C. Higgins.
Mrs. Flynn.....	329 82	For excess in payment on account of assessment for Riverside Park, Lots 8, 11, Blocks 215, 29, 61, and 1303	"
T. T. Ferris	321 71	For excess in payment on account of assessment for Riverside Park, for lots in Blocks 116, 123, 4, and 168	"
R. H. Cudlipp.....	1,442 05	For excess in payment on account of assessment for Riverside Park, for lots in Blocks 105, 157, and 219	"
J. Meehan.....	42 05	For excess in payment on account of assessment for Riverside Park, Lots 27, 8, and 32, Block 155; and Lots 18-42, Block 197	"
Maria L. Clark.....	800 60	For repayment of amount, with interest, being amount paid for assessment for regulating and grading One Hundred and Twenty-fourth street, between Avenue A and Sixth avenue (Eastern Boulevard), which assessment has been declared invalid by the Court.	J. C. Shaw.

Approval of Sureties.

The Comptroller approved of the adequacy and sufficiency of the sureties on the following proposals:

- September 5. For furnishing 10,000 lbs. pearl barley, 200 bags hominy and 250 bushels beans, for use of Department of Public Charities and Correction.
H. K. & F. B. Thurber & Co., West Broadway and Reade street, Principals.
John Early, 324 West Twenty-ninth street, } Sureties.
James S. Barron, 329 West Twenty-second street, }
- September 8. For constructing a sewer in Washington avenue, between One Hundred and Sixty-ninth and One Hundred and Seventieth streets.
Bernard C. Murray, Westchester and Robbins avenue, Principal.
William Ebling, corner One Hundred and Fifty-sixth street } Sureties.
and St. Ann's avenue,
Patrick Murray, Westchester and Robbins avenue, }

September 8. For flagging and setting curb and gutter in One Hundred and Forty-fourth street between Willis and St. Ann's avenues.

Thomas Murray, One Hundred and Thirtieth street and Tenth ave., Principal.
Theodore F. Tone, 247 West One Hundred and Twenty-sixth street, } Sureties.
John Becker, corner Tenth avenue and Manhattan street, }

September 8. For laying crosswalk in Alexander avenue, at arch of the intersections of One Hundred and Thirty-third, One Hundred and Thirty-fourth, One Hundred and Thirty-fifth, One Hundred and Thirty-sixth, One Hundred and Thirty-seventh, One Hundred and Thirty-eighth streets, etc.

Thomas Murray, One Hundred and Thirtieth street and Tenth ave., Principal.
Theodore F. Tone, 247 West One Hundred and Twenty-sixth street, } Sureties.
Caspar Heindel, Eighth avenue and One Hundred and Thirty-third street, }

Opening of Proposals.

September 6. The Comptroller attended the opening of proposals at the Fire Department for furnishing 15,000 feet of hose for the use of said department.

September 8. Designation by the Comptroller of Richard A. Storrs, Deputy Comptroller to act as Comptroller on September 8, 1882.

RICHARD A. STORRS, Deputy Comptroller.

DEPARTMENT OF PUBLIC PARKS.

Abstract of Proceedings for the week ending September 9, 1882.

WEDNESDAY, September 6, 1882.—REGULAR MEETING—9.30 A. M.

On motion of Commissioner Lane, Commissioner Wales was called to the chair.

Mr. Myer Stern appeared before the Board in behalf of the Hebrew Orphan Asylum Society, and stated the necessity of constructing a temporary drain from the Asylum building to the Brook avenue sewer, as the only means for the preservation of the health of the inmates of the asylum, and urged that immediate action be taken.

The following resolutions were adopted:

Resolved, That permission be and hereby is granted the Hebrew Orphan Asylum Society to build a temporary drain to connect the Hebrew Orphan Asylum with the Brook avenue sewer, the work to be done under the direction and to the satisfaction of the Acting Engineer of Construction, and the permit to continue until January 1, 1883, when such drain shall be removed by the Hebrew Orphan Asylum Society, and the entire cost of the work of construction and removal to be paid by said Society.

Resolved, That the Acting Engineer of Construction be directed to prepare plans and specifications for the construction of a sewer and appurtenances in Third avenue and Boston road to the summit near One Hundred and Sixty-seventh street, and submit the same to the Board for approval.

Hon. A. B. Tappan appeared before the Board and presented a communication in relation to the condition of the roads, etc., in the annexed district.

Resolved, That the thanks of the Board be tendered to Judge Tappan for the views as expressed by him in his communication, and that said communication be referred to the Acting Superintendent of the Twenty-third and Twenty-fourth Wards, with the approval of the Board.

Mr. J. M. Constable appeared before the Board and was heard in relation to the plans for walks and paths in connection with the entrance to Manhattan square.

Resolved, That the plans for the construction of walks and paths in connection with the entrance to Manhattan square be referred back to the Superintending Architect to prepare working plans, with an estimate of the cost of doing the work.

The following communications were received:

From the Clerk of the Board of Estimate and Apportionment, transmitting copies of resolutions transferring appropriations.

From the Commissioner of Public Works in relation to the improvement of Morningside avenue.

From the Comptroller, in relation to the claim of Lyman Tiffany, for moneys advanced for surveying and laying-out, etc., the district known as the Fox Estate.

From the Comptroller, in relation to the Departmental Estimates for the year 1883.

From John E. Smith, John Henney and other property-owners, applying for the construction of a sewer in One Hundred and Forty-fourth street, between College avenue and the intersection of One Hundred and Forty-third street.

From N. S. Bailey, S. L. M. Barlow, Mary A. Peck and others, relative to the initiation of proceedings for the opening of Bailey avenue.

From Henry D. Purroy, attorney for Miss Shady, desiring to be heard in relation to the same.

From Henry C. Thompson, for the construction of a sewer in Alexander avenue and the Southern boulevard.

From Giblin and Lyon, contractors for constructing bridges to entrances into Central Park and Manhattan square, asking for a payment on account of the work done under their contract.

From T. C. Saportas, desiring to be allowed for the amount of overtime, inspection, on his contract for constructing sewer in One Hundred and Forty-first street.

From Daniel Hall, desiring permission to bridge the gutter in front of his premises, on the south side of One Hundred and Thirty-fourth street, east of Third avenue.

From the Local Improvement Association, in relation to fencing the park on Fulton avenue, north of One Hundred and Sixty-ninth street.

From Morris K. Jesup, President of the American Museum of Natural History, desiring the removal of a large iron case from the upper story of the Arsenal building.

From F. S. Gannon, General Superintendent New York City and Northern Railroad, complaining against Engineer Fitzpatrick, in relation to his conduct at the Third avenue bridge.

From George C. Goeller, in relation to sewer in Third avenue.

The following resolutions were adopted:

Resolved, That the bronze statue of a panther, presented by D. O. Mills and others, be accepted, with the thanks of the Department for the generosity of the donors.

Resolved, That Aneurin Jones, Superintendent of Parks, be directed to make such explanation as he may desire in reference to the following supplemental reasons for his removal from his position, in addition to the reasons stated in the resolution offered at the meeting held on 16th August, 1882, to wit: That the expense incurred subsequent to the 17th July, 1882, on the work of painting the Third avenue bridge over the Harlem river, amounted to \$894.85, making the following totals:

Painters' wages, nineteen pay-rolls	\$5,322 10
Laborers' " "	366 08
Carpenters' " "	41 50
Materials, paints, oils, etc.	1,475 51
Foreman's wages	4 38

\$7,209 57
That the amount necessary to complete the painting will be, for wages and materials. . 300 00

Total cost..... \$7,509 57

Resolved, That the Acting Engineer of Construction be directed to prepare and submit to this Board plans and specifications for the construction of a sewer in One Hundred and Thirty-eighth street, between Willis and Brook avenues, with branch in Brown place.

Resolved, That the work as recommended by the Acting Engineer of Construction, of erecting a board fence at the sluice-way connecting Mill brook with the Brook avenue sewer, be authorized at an expense not exceeding \$30.

Resolved, That the employment of ten laborers for work on the Parks is hereby authorized, and that the chairman be authorized to select suitable persons for employment.

1st. Resolved, That the plans and specifications for regulating and grading Morris avenue, from One Hundred and Thirty-eighth to One Hundred and Fifty-sixth street;

2d. Regulating and grading Depot place, between Sedgwick avenue and the New York Central and Hudson River Railroad;

3d. Flagging, setting curb and gutter in Forest avenue, from Westchester avenue to Home street;

4th. Regulating, etc., Alexander avenue, from Southern boulevard to Third avenue, as this day submitted by the Acting Engineer of Construction, be approved; that the contracts be ordered

printed, and when so printed and approved as to form by the Counsel to the Corporation, the Secretary be directed to insert in the CITY RECORD advertisements inviting proposals for doing said work.

Resolved, That the plans for the iron superstructure for the Madison avenue bridge, as submitted to the Department by A. P. Boller, engineer, be and the same are hereby approved and adopted, and that the contract and specifications for the same be printed, and when approved as to form by the Counsel to the Corporation, the Secretary be authorized to insert notices in the CITY RECORD, inviting proposals for doing said work.

Resolved, That when this Board adjourns it do adjourn to meet on Wednesday next, 13th instant, at 9:30 A.M.

Resolved, That Gerstar, Francis Hall and Edward Tracy are hereby appointed carpenters to do rustic work at \$3 per day.

Resolved, That an agreement be made with James Henderson to construct a temporary approach to the Westchester avenue swing-bridge over the Bronx river, at an expense not to exceed \$400, the work to be done under the direction of the Acting Engineer of Construction.

Resolved, That contracts for work for which proposals were opened August 16th, be awarded as follows:

1st. Flagging sidewalk, etc., in One Hundred and Forty-fourth street, between Willis and St. Ann's avenues, to Thomas Murray, at \$5,934.25.

2d. Constructing sewer and appurtenances in Washington avenue, between One Hundred and Sixty-ninth and One Hundred and Seventieth streets, to Bernard C. Murray, at \$5,223.15.

3d. For laying crosswalks in Alexander avenue, to Thomas Murray at \$1,866.60.

4th. For reflagging, etc., Third avenue and intersections of streets, between Harlem river and One Hundred and Forty-seventh street, to Bernard Mahon, at \$4,024.10.

5th. For flagging sidewalk, etc., Elton avenue, to Bernard Mahon, at \$9,789.25.

They being the lowest bidders for said several works; that the proposals be sent to the Comptroller for his approval of sureties, and when so approved, that contracts be entered into with the aforementioned parties for doing said works, and that the Chairman of this meeting be and he is hereby designated and authorized to sign contracts for and on behalf of the Department of Public Parks.

Resolved, That the Chairman be authorized to appoint Inspectors on the works under contracts as this day awarded.

Bills to the amount of \$15,793 43
Pay-rolls amounting to 2,991 65
—were audited and sent to the Finance Department for payment.

E. P. BARKER, Secretary.

DEPARTMENT OF DOCKS.

At a meeting of the Board of Docks, held September 6, 1882.

Present—The full Board.

The minutes of the meeting held August 30th ult. were read and approved.

The following communications were received, read, and, on motion, laid on the table to await action, as stated, to wit:

From Department of Public Charities and Corrections—Requesting that a float be placed between Fifty-fourth and Fifty-fifth streets, East river, for a boat landing, to accommodate passengers to and from Blackwell's Island. Secretary to advise that the Board were not aware of any ferry having been authorized at that point, but that the matter was referred to the Engineer-in-Chief to confer with them as to the size of the float required for the purpose, and to report as to the same.

From Engineer-in-Chief:

1st. Report on Secretary's order No. 2512, as to water grants, etc., premises at Corlears and Water streets, East river.

2d. Reporting repairs required to the coal dock at Ward's Island. Engineer-in-Chief to be directed to report as to the ownership of the pier. Secretary to request the Department of Charities and Correction to give this Board information as to the ownership of the pier.

From the New York Central and Hudson River Railroad Company—Submitting plans for new pier at Seventieth street, North river. Engineer-in-Chief to be directed to examine and report thereon.

From A. Dettinger, lessee—In reference to the careless manner of unloading brick at the pier at Fifty-first street, North river, in consequence of which the slip is being filled up with brick falling overboard. Corporation Wharfinger to be directed to report all the facts in relation thereto.

From Union Dredging Company—In reference to the contract made by the Department with their Company, and claiming that the dredging to be done in removing crib-work north of Pier, old 38, North river, is embraced under and covered by the said contract. Secretary directed to request the Counsel to the Corporation to give his opinion on the question, the Board being of the opinion that the work proposed to be done was not covered by the contract.

The following communications were received, read, and, on motion, placed on file, action being taken where necessary, as stated, to wit:

From Counsel to the Corporation—In reference to the work of the Department in the construction of the bulkhead wall between Twenty-eighth and Twenty-ninth streets, North river, being complained of as interfering with the rights of parties owning the premises west of Twelfth avenue, under water grants, etc. The action of the President in replying thereto was approved.

From Police Department—Certificate of inspection of steam boiler on pile-driver No. 6.

From Secretary of the Treasury, U. S.—Enclosing two copies of the revised law providing for deductions from gross tonnage of vessels. Secretary directed to have one hundred copies of the same printed.

From Metropolitan Steamship Company—Application for permission to repair the outer end of Pier 10, North river, within existing lines, and requesting that a survey be made to ascertain the depth of water in the slip north of Pier 11, North river. Permission granted to repair Pier 10, North river, the work to be done under the supervision of the Engineer-in-Chief; and as to Pier 11, North river, the Engineer-in-Chief to be directed to have soundings taken and report as to the depth of water in the slip.

From Henderson Brothers, agents—In reference to accommodations for their line of steamers, now landing at Pier, old 20, North river. Secretary directed to advise that the Board will do what they can to give them reasonable accommodations in the future as well as in the past, but that at the present time it is essential to proceed with the work of improving the water-front under the new plan.

From Michael Cummings—Application for appointment as Foreman of Dump at Seventy-ninth street, North river.

From Michael Duffy—In reference to the condition of the pier at One Hundred and Fourth street, East river. Engineer-in-Chief to be directed to examine and report thereon.

From William Kinney—Application for permission to erect small house on the bulkhead, between Piers 53 and 54, East river. Denied.

From Dillon R. Dunbar—Application for permission to erect small house on the bulkhead, between Piers 53 and 54, East river. Denied.

From Common Council—Resolution as to the pay of laborers employed in the Department.

From Inman Steamship Company, lessees—Requesting permission to repair the outer end of Pier, new 36, North river. Application granted. Work to be done under the supervision of the Engineer-in-Chief.

From Abiel Abbot, agent—Requesting that the tally-house built in conformity to the rules for him be examined and reported on by the Engineer-in-Chief. Secretary to issue permit therefor on the report of the Engineer-in-Chief.

From Hartford and New York Transportation Company, lessees—Requesting an extension of time in which to make repairs to Pier 24, East river. Time extended to the 15th instant.

From Patrick Tannan—In reference to application made by him for increase of compensation.

From Strong and Cadwallader, attorneys for Produce Bank—In reference to the ownership of north half of Pier, old 22, North river.

From Compagnie Générale Transatlantique, lessees—In reference to dump located south of Pier, new 42, North river. Corporation Wharfinger to be directed to examine and report as to the facts, if any unauthorized dump or other structure is located thereat, and Secretary to advise Steamship Company of the action of the Board.

From Engineer-in-Chief:

1st. Reporting as to repairs not having been made to the pier at One Hundred and Thirtieth street, North river, as directed by the Board. Secretary to be directed to notify the lessee to repair the same within five days, under the supervision of the Engineer-in-Chief, or this Department will do the work and charge the cost to him.

2d. Reporting as to test of cement from the Wallkill Cement Company.

3d. Reporting as to the damage done to doors of the shed on Pier, new 43, North river, by the schooner "A. W. Thompson." Engineer-in-Chief to be directed to make repairs thereto and report the cost thereof.

4th. Reporting as to the work, etc., between Twenty-eighth and Twenty-ninth streets, North river. Secretary directed to transmit copy of report and diagram to the Counsel to the Corporation.

5th. Reporting in reference to the pier at Thirtieth street, North river. Engineer-in-Chief to be directed to repair the three hundred and sixty feet on the inner end of the pier, and to fence off from public use the outer end thereof.

6th. Reporting that the lessee of the pier at Sixteenth street, North river, had not repaired the same. Engineer-in-Chief to be directed to make the necessary repairs thereto, and report the cost thereof, to be collected from the lessee.

7th. Reporting that Piers 24 and 41, East river, had not been repaired by the lessees and owners thereof, as directed by the Board.

8th. Report on Secretary's order No. 2610, as to fender piles required at Pier, new 1, North river. Engineer-in-Chief to be directed to examine and report condition of and repairs required to Pier, new 1, North river.

9th. Report on Secretary's order No. 2567, that the repairs made to Pier 36, North river, had been supervised by him.

10th. Report on Secretary's order No. 2143, that the repairs made to Pier, old 28, North river, had been supervised by him.

11th. Report on Secretary's order No. 2636, that the repairs ordered had been made to the pier at Thirty-seventh street, East river, and to Pier 51, East river.

12th. Report on Secretary's order No. 2390, that the repairs made to the pier at Bethune street, North river, had been supervised by him.

13th. Report on Secretary's order No. 2630, in reference to the canal boat sunk in the slip between Piers, new 37 and new 38, North river.

From James Fitzpatrick, Corporation Wharfinger, reporting the following-named parties for violation of rule 4, of the rules and regulations:

Decker & Rapp—Lumber on bulkhead south of Bethune street, August 30 and 31, and September 1.

Decker & Rapp—Lumber on pier foot of Bethune street, August 30, 31, and September 1.

Decker & Rapp—Lumber on bulkhead between Twelfth and Jane streets, August 30, 31, and September 1.

Ogden & Co.—Lumber on pier foot of Twenty-first street, North river, August 30 and 31.

Albert Hurst—Lumber on pier foot of Little Twelfth street, North river, August 29, 30, 31, and September 1.

Secretary directed to transmit the report to the Counsel to the Corporation, and to request that proceedings be taken to enforce the penalties for violations of the rules.

From George W. Wanmaker, Corporation Wharfinger:

Report on Secretary's order No. 2629, that all obstructions between Piers, new 42 and new 45, North river, had been removed.

From Wm. L. McConkey, Corporation Wharfinger:

1st. Report on Secretary's order No. 2604, that tally-house on Pier 3, East river, belonging to F. A. Walsh, had been torn down and removed therefrom.

2d. Report on Secretary's order No. 2616, as to service of notice to remove stand from Pier 51, East river.

3d. Report on Secretary's order No. 2617, that the Ridgewood Ice Company had failed to remove the office and scales from Pier 43, East river, although notified to remove the same before September 2, inst. Secretary directed to send report to the Counsel to the Corporation, and request him to commence proceedings to collect the penalty for violation of the rule.

4th. Report on Secretary's order No. 2601, that the house and scales on the bulkhead between Piers 43 and 44, East river, had not been removed by the Ridgewood Ice Company on August 19 ult., as ordered. Secretary directed to transmit report to the Counsel to the Corporation, and to request that proceedings be taken to collect the penalty therefor for ten days to August 29, at \$25 per day.

A communication from Frank Phelps, lessee of Pier 40, East river, requesting permission to sublet the said pier to the Merchants and Miners Transportation Company, was received, read, and,

On motion, placed on file, and the following resolution, offered by Commissioner Voorhis, was unanimously adopted:

Resolved, That leave and consent be and hereby is given to Frank Phelps, lessee, to sublet Pier 40, East river, to the Merchants and Miners' Transportation Company, to be occupied only for the discharging of cargoes by steam transportation, it being understood that the said lessee and the proposed sureties to the lease, agree that their obligations, under the provisions thereof shall not be affected consequent upon such consent and subletting.

A communication from S. L. Merchant, requesting the Department to make a test of a new brand of cement, was received, read, and,

On motion, placed on file, and the following resolution in relation thereto was unanimously adopted:

Resolved, That no application will be entertained for the testing of artificial stones, betons, hydraulic limes and other materials, unless the parties on making the application shall pay to the Treasurer of this Department the sum of \$10 for the expenses incurred in making such test.

The Secretary presented a statement in writing in response to the resolution adopted August 30th, by the Board, directing him to assign his reasons for being absent from August 12th to 28th ult., which was received, read, and,

On motion, placed on file.

Commissioner Vanderpoel, the Treasurer of the Board, in response to the resolution adopted by the Board on the 30th ult., presented the following, which was received, read, and,

On motion, was approved and placed on file, and the Secretary directed to enter the same in full on the minutes, as follows:

DEPARTMENT OF DOCKS—TREASURER'S OFFICE,
NEW YORK, Sept. 6, 1882.

To the Board of Docks:

GENTLEMEN—Respectfully referring to the resolution adopted at the meeting held 30th ultimo, whereby I was requested to make known to the proper authorities of the city, any and all acts of official misconduct on the part of any member of the Board within my knowledge, in order that such necessary action in relation thereto might be had, as the interests of the city would seem to demand, I now submit the following in reply:

The resolution referred to assumed in its preamble that one or more of the daily newspapers of the city, had published, on the 24th ultimo, a statement as true, that I had made remarks at the meeting of the Board on the previous day, of which the following is a copy, to wit:

"We do a good many things that might send us to jail if they were known, and we were held strictly to the letter of the law."

The New York Times, of the 28th ultimo, contained the following letter from me:

To the Editor of the New York Times:

The article in your issue of to-day, headed "Dock Department Matters," contains a purported quotation of a remark made by myself at the meeting of the Board on the 23d inst., and the way it is reported tends to pervert my meaning.

The subject under discussion was the legal right of this Department to berth the School-ship "St. Mary's" at the pier at Twenty-fourth street, East river, or at any other pier on the water front, free of wharfage, and Commissioner Wetmore, of the Board of Education, cited the fact that this Board, years ago, set apart a berth free for the School-ship at the pier at Twenty-third street, East river, when I replied that "we used to do many things which might send us to Ludlow street," meaning that in the light of the interpretations of the law governing the Department, as given by the Counsel to the Corporation during the past five or six years, we are compelled to-day to view the rights and powers of the Board somewhat differently than in former years.

(Signed)

JACOB VANDERPOEL, Commissioner.

NEW YORK, THURSDAY, August 24, 1882.

What I did say was in reply to Commissioner Wetmore's statement that "some years ago the Department had granted certain privileges, and he wanted to know why this Board could not do the same now." I said, substantially, in a jocular manner, "that the Board, in former times, did many things which, if we were to do them now, would likely land us in Ludlow Street Jail." The other two members of the Board were present, and must know my remark was made simply in a conversational manner during the informal interview between the gentlemen present and the Board.

I am and always have been watchful of the City's interests, scrupulously guarding its rights and privileges, powers and franchises. I am not aware that this Board or any member thereof, since I have been in office, has ever done an act or permitted an act to be done by any of its subordinates, which was not in just and exact accord with law.

Any assumption or statement of any one to the contrary, has my absolute contradiction.

I have stated substantially what was said by me, and the circumstances attending these jocular utterances. I ask, therefore, that this letter be spread upon the minutes of the Board, as an answer to said resolution and a complete refutation of the slanders which have been the outgrowth of a reporter's inadvertent remarks.

And further, I respectfully move that the preamble and resolution referred to herein, as having been adopted on the 30th ultimo, be rescinded and considered as expunged from the records of the Board.

(Signed)

JACOB VANDERPOEL, Commissioner.

The motion made by Commissioner Vanderpoel in his communication not being seconded, no action was taken by the Board thereon.

On motion, the Engineer-in-Chief was directed to make repairs to the deck on the outer end of the pier at Twenty-eighth street, East river, and also to place three mooring piles on said pier.

Commissioner Vanderpoel, the Treasurer of the Board, presented his report of the receipts for the week ending September 5, inst., which was received, read, and,

OFFICIAL DIRECTORY.

STATEMENT OF THE HOURS DURING WHICH all the Public Offices in the City are open for business, and at which each Court regularly opens and adjourns, as well as of the places where such offices are kept and such Courts are held; together with the heads of Departments and Courts.

EXECUTIVE DEPARTMENT.

Mayor's Office.
No. 6 City Hall, 10 A. M. to 3 P. M.
WILLIAM R. GRACE, Mayor; **WILLIAM M. IVINS,** Secretary and Chief Clerk.

Mayor's Marshal's Office.
No. 1 City Hall, 10 A. M. to 3 P. M.
GEORGE A. McDERMOTT, First Marshal.

Permit Bureau Office.
No. 13½ City Hall, 10 A. M. to 3 P. M.
HENRY WOLTMAN, Register.

Sealers and Inspectors of Weights and Measures.
No. 7 City Hall, 10 A. M. to 3 P. M.
WILLIAM EYLER, Sealer First District; **CHRISTOPHER BARRY, Sealer Second District;** **JOHN MURRAY, Inspector First District;** **JOSEPH SHANNON, Inspector Second District.**

COMMISSIONERS OF ACCOUNTS.

No. 1 County Court-house, 9 A. M. to 4 P. M.
WM. PITT SHEARMAN, JOHN W. BARROW.

LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.
No. 8 City Hall, 10 A. M. to 4 P. M.
WILLIAM SAUER, President Board of Aldermen.
FRANCIS J. TWOMEY, Clerk Common Council.

City Library.
No. 12 City Hall, 10 A. M. to 4 P. M.
THOS. J. O'CONNELL, Librarian.

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.
No. 31 Chambers street, 9 A. M. to 4 P. M.
HUBERT O. THOMPSON, Commissioner; **FREDERICK H. HAMLIN, Deputy Commissioner.**

Bureau of Water Register.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOHN H. CHAMBERS, Register.

Bureau of Incumbrances.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOSEPH BLUMENTHAL, Superintendent.

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

Bureau of Streets.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JAMES J. MOONEY, Superintendent.

Engineer in Charge of Sewers.
No. 31 Chambers street, 9 A. M. to 4 P. M.
STEPHENSON TOWLE, Engineer-in-Charge.

Bureau of Chief Engineer.
No. 31 Chambers street, 9 A. M. to 4 P. M.
ISAAC NEWTON, Chief Engineer.

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

Bureau of Repairs and Supplies.
No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS H. McAVOY, Superintendent.

Bureau of Water Purveyor.
No. 31 Chambers street, 9 A. M. to 4 P. M.
DANIEL O'REILLY, Water Purveyor.

Keeper of Buildings in City Hall Park.
MARTIN J. KEES, City Hall.

FINANCE DEPARTMENT.

Comptroller's Office.
Nos. 19 and 20 New County Court-house, 9 A. M. to 4 P. M.
ALLAN CAMPBELL, Comptroller; **RICHARD A. STORRS,** Deputy Comptroller.

Auditing Bureau.
No. 19 New County Court-house, 9 A. M. to 4 P. M.
DANIEL JACKSON, Auditor of Accounts.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments of Water Rents.
No. 5 New County Court-house, 9 A. M. to 4 P. M.
ARTEMAS CADY, Collector of Assessments and Clerk of Arrears.

Bureau for the Collection of City Revenues and of Markets.
No. 6 New County Court-house, 9 A. M. to 4 P. M.
THOMAS F. DEVOE, Collector of City Revenue and Superintendent of Markets.

Bureau for the Collection of Taxes.
First floor Brown-stone Building, City Hall Park.
MARTIN T. McMAHON, Receiver of Taxes; **ALFRED VREDENBURG, Deputy Receiver of Taxes.**

Bureau of the City Chamberlain.
No. 18 New County Court-house, 9 A. M. to 4 P. M.
J. NELSON TAPPAN, City Chamberlain.

Office of the City Paymaster.
Room 1, New County Court-house, 9 A. M. to 4 P. M.
MOOR FALLS, City Paymaster.

LAW DEPARTMENT.

Office of the Counsel to the Corporation.
Staat Zeitung Building, third floor, 9 A. M. to 5 P. M. Saturdays, 9 A. M. to 4 P. M.
WILLIAM C. WHITNEY, 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.
ALGERNON S. SULLIVAN, Public Administrator.

Office of the Corporation Attorney.
No. 49 Beekman street, 9 A. M. to 4 P. M.
WILLIAM A. BOYD, Corporation Attorney.

POLICE DEPARTMENT.

Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.
STEPHEN B. FRENCH, President; **SETH C. HAWLEY,** Chief Clerk; **JOHN J. O'BRIEN, Chief Bureau of Elections.**

DEPARTMENT OF CHARITIES AND CORRECTION.

Central Office.
No. 66 Third avenue, corner Eleventh street, 8:30 A. M. to 5:30 P. M.
THOMAS S. BRENNAN, President; **GEORGE F. BRITTON,** Secretary.

FIRE DEPARTMENT.

Headquarters.
Nos. 155 and 157 Mercer street.
JOHN J. GORMAN, President; **CARL JUSSEN, Secretary.**

Bureau of Chief of Department.
ELI BATES, Chief of Department.

Bureau of Inspector of Combustibles.
PETER SEERY, Inspector of Combustibles.

Bureau of Fire Marshal.
GEORGE H. SHIELDON, Fire Marshal.

Bureau of Inspection of Buildings.
WM. P. ESTERBROOK, Inspector of Buildings.
Office hours, Headquarters and Bureaus, from 9 A. M. to 4 P. M. Saturdays, 9 P. M.

Attorney to Department.
WM. L. FINDLEY, Nos. 155 and 157 Mercer street and No. 120 Broadway.

Fire Alarm Telegraph.
J. ELLIOT SMITH, Superintendent of Telegraph, Nos. 155 and 157 Mercer street.

Repair Shops.
Nos. 128 and 130 West Third street.
JOHN McCABE, Chief of Battalion-in-Charge, 8 A. M. to 5 P. M.

Hospital Stables.
No. 199 Christie street.
DREDERICK G. GALE, Superintendent of Horses.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES F. CHANDLER, President; **EDMONS CLARK,** Secretary.

DEPARTMENT OF PUBLIC PARKS.

No. 36 Union Square, 9 A. M. to 4 P. M.
EDWARD P. BARKER, Secretary.

Civil and Topographical Office.
Arsenal, 64th street and 5th avenue, 9 A. M. to 5 P. M.
Office of Superintendent of 23d and 24th Wards.
145th street and 3d avenue, 9 A. M. to 5 P. M.

DEPARTMENT OF DOCKS.

Nos. 117 and 119 Duane street, 9 A. M. to 4 P. M.
WILLIAM LAMBEER, President; **JOHN T. CUMING,** Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.
Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
THOMAS B. ASTEN, President; **J. C. REED,** Secretary.

Office Bureau Collection of Arrears of Personal Taxes.
No. 51 Chambers street, Rooms 10, 11 and 12, 9 A. M. to 4 P. M.

DEPARTMENT OF STREET CLEANING.
51 Chambers street, Rooms 10, 11 and 12, 9 A. M. to 4 P. M.
JAMES S. COLEMAN, Commissioner; **M. J. MORRISON,** Chief Clerk.

BOARD OF ASSESSORS.

Office, City Hall, Room No. 11½, 9 A. M. to 4 P. M.
JOHN R. LYDECKER, Chairman; **WM. H. JASPER,** Secretary.

BOARD OF EXCISE.

Corner Bond street and Bowery, 9 A. M. to 4 P. M.
WILLIAM P. MITCHELL, President; **ANTHONY HARTMAN, Chief Clerk.**

SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.
PETER BOWE, Sheriff; **JOEL O. STEVENS, Under Sheriff;** **ALEX. V. DAVIDSON, Order Arrest Clerk.**

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
AUGUSTUS T. DOCHARTY, Register; **J. FAIRFAX McLAUGHLIN, Deputy Register.**

COMMISSIONER OF JURORS.

No. 17 New County Court-house, 9 A. M. to 4 P. M.
GEORGE CAULFIELD, Commissioner; **ALFRED J. KREGAN, Deputy Commissioner.**

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
WILLIAM A. BUTLER, County Clerk; **CHAS. S. BEARDSLEY, Deputy County Clerk.**

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
JOHN McKEON, District Attorney; **HUGH DONNELLY, Chief Clerk.**

THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books.
No. 2 City Hall, 8 A. M. to 5 P. M., except Saturdays, on which days 8 A. M. to 3 P. M.
THOMAS COSTIGAN, Supervisor; **R. P. H. ABELL, Book-keeper.**

CORONERS' OFFICE.

Nos. 13 and 15 Chatham street.
PHILIP MERKLE, THOMAS C. KNOX, GERSON N. HERRMAN, JOHN H. BRADY, Coroners; **JOHN D. COUGHLIN,** Clerk of the Board of Coroners.

SUPREME COURT.

Second floor, New County Court-house, 10½ A. M. to 3 P. M.
General Term, Room No. 9.
Special Term, Room No. 10.
Chambers, Room No. 11.

Circuit, Part I, Room No. 12.
Circuit, Part II, Room No. 13.
Circuit, Part III, Room No. 14.
Judges' Private Chambers, Room No. 15.
NOAH DAVIS, Chief Justice; **WILLIAM A. BUTLER, Clerk.**

SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.
General Term, Room No. 29.
Special Term, Room No. 30.
Chambers, Room No. 31.
Part I, Room No. 32.
Part II, Room No. 33.
Part III, Room No. 34.
Judges' Private Chambers, Room No. 35.
Naturalization Bureau, Room No. 36.
Clerk's Office, 9 A. M. to 4 P. M., Room No. 37.
JOHN SEDGWICK, Chief Judge; **THOMAS BORSE, Chief Clerk.**

COURT OF COMMON PLEAS.

Third floor, New County Court-house, 11 A. M.
Clerk's Office, 9 A. M. to 4 P. M., Room No. 22.
General Term, Room No. 24.
Special Term, Room No. 25.
Chambers, Room No. 26.
Part I, Room No. 27.
Part II, Room No. 28.
Part III, Room No. 29.
Naturalization Bureau, Room No. 30.
CHARLES P. DALY, Chief Justice; **NATHANIEL JARVIS, Jr., Chief Clerk.**

COURT OF SPECIAL SESSIONS.

At Tombs, corner Franklin and Centre streets, Tuesdays, Thursdays, and Saturdays, 10 A. M.
Clerk's Office, Tombs.

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:

No. 1. Tree planting on Avenue St. Nicholas, from One Hundred and Tenth to One Hundred and Fifty-fifth street.

No. 2. Paving One Hundred and Twelfth street, from the westerly crosswalk of Third avenue to the easterly crosswalk of Fourth avenue.

No. 3. Paving Eighty-third street, from the west crosswalk of Eighth avenue to the Boulevard.

No. 4. Regulating and paving Seventy-sixth street, from Third to Fourth avenue.

No. 5. Paving Ninety-fourth street, from Third to Lexington avenue.

No. 6. Regulating, grading, setting curb and gutter stones in Seventieth street, from the Eighth to the Tenth avenue.

No. 7. Sewer in Montgomery street, between Madison and Monroe streets.

No. 8. Paving Fifty-fifth street, from Sixth to Seventh avenue.

No. 9. Paving One Hundred and Eighth street, from Third to Fifth avenue.

No. 10. Laying crosswalks across Willis avenue and One Hundred and Thirty-eighth and One Hundred and

Thirty-ninth streets, and flagging sidewalks a space four feet wide in One Hundred and Thirty-eighth street, between Willis and Alexander avenues.

No. 11. Laying crosswalks in Courtland avenue and in each street intersecting said avenue, from Third avenue to One Hundred and Fifty-sixth street.

No. 12. Paving One Hundred and Fifteenth street, from Third avenue to Avenue A.

No. 13. Paving Forty-fourth street, from First to Second avenue, and laying crosswalk, etc.

No. 14. Paving Seventy-fifth street, from Third to Fourth avenue.

No. 15. Sewers in Fourth avenue, west side, between One Hundred and Eighth and One Hundred and Tenth streets; in One Hundred and Ninth street, between Fourth and Fifth avenues, and in Madison avenue, between One Hundred and Ninth and One Hundred and Tenth streets.

No. 16. Sewers in Ninety-sixth and Ninety-seventh streets, between Third and Lexington avenues.

No. 17. Sewer in One Hundred and Fifty-third street, between Tenth avenue and Avenue St. Nicholas.

No. 18. Sewer in One Hundred and Twenty-third street, between Fourth and Madison avenues, from end of present sewer west of Fourth avenue.

No. 19. Sewer in Fourth or Park avenue, east side, between Thirty-fifth and Thirty-sixth streets, from end of present sewer.

No. 20. Sewer in Twenty-third street, between Eleventh and Thirteenth avenues, with branch in Thirteenth avenue, between Twenty-third and Twenty-fourth streets.

No. 21. Basins west side of Fifth avenue, opposite One Hundred and Second street.

No. 22. Sewer in One Hundred and Nineteenth street, between Sixth avenue and Summit, east of Sixth avenue.

No. 23. Sewer in Eighty-seventh street, between Ninth and Tenth avenues.

No. 24. Sewer in Fourth avenue, east side, between Eighty-second and Eighty-third streets.

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

No. 1. Both sides of Avenue St. Nicholas, from One Hundred and Tenth to One Hundred and Fifty-fifth streets.

No. 2. Both sides of One Hundred and Twelfth street, from Third to Fourth avenues, and to the extent of half the block at the intersecting avenues.

No. 3. Both sides of Eighty-third street, from Eighth avenue to the Boulevard, and to the extent of half the block at the intersecting avenues.

No. 4. Both sides of Seventy-sixth street, from Third to Fourth avenues, and to the extent of half the block at the intersecting avenues.

No. 5. Both sides of Ninety-fourth street, from Third to Lexington avenues, and to the extent of half the block at the intersecting avenues.

No. 6. Both sides of Seventieth street, from the Eighth to the Tenth avenues, and to the extent of half the block at the intersecting avenues.

No. 7. The four corners at the intersection of Montgomery street, between Madison and Monroe streets.

No. 8. Both sides of Fifty-fifth street, from Sixth to Seventh avenues, and to the extent of half the block at the intersecting avenues.

No. 9. Both sides of One Hundred and Eighth street, from Third to Fifth avenues, and to the extent of half the block at the intersecting avenues.

No. 10. Both sides of Willis avenue, from One Hundred and Thirty-seventh to One Hundred and Fortieth streets, and both sides of One Hundred and Thirty-eighth and One Hundred and Thirty-ninth streets, extending five hundred and fifty feet easterly, and three hundred and seven feet westerly from Willis avenue.

No. 11. Both sides of Courtland avenue, from Third avenue to One Hundred and Fifty-sixth street, and to the extent of half the block at each intersecting street.

No. 12. Both sides of One Hundred and Fifteenth street, from Third avenue to Avenue A, and to the extent of half the block at the intersecting avenues.

No. 13. Both sides of Forty-fourth street, from First to Second avenues and to the extent of half the block at the intersecting avenues.

No. 14. Both sides of Seventy-fifth street, from Third to Fourth avenue, and to the extent of half the block at the intersecting avenues.

No. 15. West side of Fourth avenue, between One Hundred and Eighth and One Hundred and Tenth streets; both sides of One Hundred and Ninth street, between Fourth and Fifth avenues, and both sides of Madison avenue, from One Hundred and Ninth to One Hundred and Tenth street.

No. 16. Both sides of Ninety-sixth and Ninety-seventh streets, from Third to Lexington avenues.

No. 17. Both sides of One Hundred and Fifty-third street, between Tenth avenue and Avenue St. Nicholas.

No. 18. Both sides of One Hundred and Twenty-third street, from Fourth to Madison avenue (from end of present sewer).

No. 19. East side of Fourth or Park avenue, from Thirty-fifth to Thirty-sixth street, (from end of present sewer).

No. 20. Both sides of Twenty-third street, from Eleventh to Thirteenth avenue, and east side of Thirteenth avenue, between Twenty-third and Twenty-fourth streets.

No. 21. Central Park.

No. 22. Both sides of One Hundred and Nineteenth street, between Fifth and Sixth avenues.

No. 23. Both sides of Eighty-seventh street, between Ninth and Tenth avenues.

No. 24. East side of Fourth avenue, between Eighty-second and Eighty-third streets.

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 Board of Assessors, at their office, No. 11½ City Hall, within thirty days from the date of this notice.

The above-described lots will be transmitted as provided by law to the Board of Revision and Correction of Assessments for confirmation, on the 17th day of October, ensuing.

JOHN R. LYDECKER,
DANIEL STANBURY,
JOHN W. JACOBUS,
JOHN MULLALLY,
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,
No. 11½ CITY HALL,
NEW YORK, Sept. 12, 1882.

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
Room 6, No. 31 CHAMBERS STREET,
NEW YORK, September 11, 1882.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder endorsed thereon, also the number of the work, as in the advertisement, will be received at this office until 12 o'clock M., Monday, October 2, 1882, at which hour and place they will be publicly opened by the head of the Department, and read, for the following:

No. 1. SEWER in One Hundred and Twenty-sixth street, between Ninth avenue and Avenue St. Nicholas.

No. 2. REGULATING AND GRADING Fourth avenue, from the north curb of One Hundred and Thirty-third street to the south curb of One Hundred and Thirty-fifth street, and setting curb-stones and flagging sidewalks therein.

No. 3. REGULATING AND GRADING EIGHTY-third street, from the west curb of the Boulevard to the east line of Riverside drive, and setting curb-stones and flagging sidewalks therein.

No. 4. REGULATING AND GRADING ONE Hundred and Twelfth street, from the west curb of Seventh avenue to the east curb of

Eight avenue, and setting curb-stones and flagging sidewalks therein.

No. 5. REGULATING AND GRADING ONE HUNDRED and Sixteenth street, from the west curb of Eighth avenue to the east curb of Ninth avenue, and setting curb-stones and flagging sidewalks therein.

No. 6. REGULATING and grading One Hundred and Eighteenth street, from the west curb of Fourth avenue to the east curb of Sixth avenue, and setting curb-stones and flagging sidewalks therein.

No. 7. SETTING CURB-STONES and flagging sidewalks four feet wide on both sides of One Hundred and Twenty-second street, from the west curb of Seventh avenue to the east curb of Eighth avenue.

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

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

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

No estimate will be considered unless accompanied by either a certified check upon one of the 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 COLLEGE OF THE CITY OF NEW YORK.

A STATED MEETING OF THE BOARD OF Trustees of the College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, September 19, 1882, at 4 o'clock P. M.

LAWRENCE D. KIERNAN,
Secretary.

ASSESSMENT COMMISSION.

NOTICE IS HEREBY GIVEN, THAT A MEETING of the Commissioners under the act, chapter 550 of the Laws of 1880, entitled "An act relating to certain assessments for local improvements in the City of New York," passed June 9, 1880, will be held at their office, No. 27 Chambers street, on Friday, September 15, 1882, at 2.30 o'clock P. M.

EDWARD COOPER,
JOHN KELLY,
ALLAN CAMPBELL,
GEORGE H. ANDREWS,
DANIEL LORD, JR.,
Commissioners under the Act.

JAMES J. MARTIN,
Clerk.

THE COMMISSIONERS APPOINTED BY CHAPTER 550 of the Laws of 1880, to revise, vacate, or modify assessments for local improvements in the City of New York, in pursuance of said act and the amendments thereto, give notice to all persons affected thereby that the notices required by the said act must be filed with the Comptroller of said city and a duplicate thereof with the Counsel to the Corporation, as follows:

As to all assessments for local improvements confirmed before June 9, 1880, on or before November 1, 1882. As to all assessments for local improvements completed before June 9, 1880, and since confirmed, on or before November 1, 1882. As to any assessment for local improvements known as Morningside avenues, within two months after the dates upon which such assessments may be respectively confirmed.

The notice must specify the particular assessment complained of, the date of the confirmation of the same, the property affected thereby, and in a brief and concise manner the objections thereto, showing, or tending to show, that the assessment was unfair or unjust in respect to said real estate.

Dated, No. 27 CHAMBERS STREET, June 6, 1882.

EDWARD COOPER,
JOHN KELLY,
ALLAN CAMPBELL,
GEORGE H. ANDREWS,
DANIEL LORD, JR.,
Commissioners under the Act.

JAMES J. MARTIN,
Clerk.

FIRE DEPARTMENT.

HEADQUARTERS
FIRE DEPARTMENT, CITY OF NEW YORK,
155 AND 157 MERCER STREET,
NEW YORK, September 23, 1881.

NOTICE IS HEREBY GIVEN THAT THE Board of Commissioners of this Department will meet daily, at 10 o'clock A. M., for the transaction of business.

By order of

JOHN J. GORMAN, President,
CORNELIUS VAN COTT,
HENRY D. PURROY,
Commissioners.

CARL JUSSEN,
Secretary

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,
300 MULBERRY STREET,
NEW YORK, September 1, 1882.

PUBLIC NOTICE IS HEREBY GIVEN THAT two horses and a buggy, the property of this department, will be sold at public auction on Friday, September 15, 1882, at 10 o'clock A. M., at the stables of Van Tassel & Kearney, auctioneers, No. 110 East Thirtieth street.

By order of the Board,

S. C. HAWLEY, Chief Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK,
PROPERTY CLERK'S OFFICE,
300 MULBERRY STREET, ROOM 39,
NEW YORK, AUGUST 18, 1882.

OWNERS WANTED BY THE PROPERTY CLERK of the Police Department of the City of New York, 300 Mulberry street, Room 39, for the following property now in his custody without claimants: Boats, rope, iron, lead, tin, cases and contents, trucks and carts, bags and contents, watches, jewelry, revolvers, male and female clothing, clocks, etc.; also several amounts of cash taken from prisoners and found by patrolmen of this Department.

C. A. ST. JOHN,
Property Clerk.

SUPREME COURT.

In the matter of the application of the Department of Public Works for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Third street, from Eighth avenue to Riverside avenue, in the City of New York.

PURSUANT to the statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said court, to be held at the Chambers thereof in the County Court House, in the City of New York, on Friday, the 6th day of October, 1882, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of One Hundred and Third street, from Eighth avenue to Riverside avenue in the City of New York, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the westerly line of Eighth avenue distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street three hundred and seventy (370') feet to the easterly line of New avenue; thence northerly along said line sixty (60') feet; thence easterly three hundred and seventy (370') feet to the westerly line of Eighth avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Also, beginning at a point in the westerly line of New avenue, distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street three hundred and fifty (350') feet to the easterly line of Ninth avenue; thence northerly along said line sixty (60') feet; thence easterly three hundred and fifty (350') feet to the westerly line of New avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Also, beginning at a point in the westerly line of Ninth avenue distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street three hundred and eighty (380') feet to the easterly line of Tenth avenue; thence northerly along said line sixty (60') feet; thence easterly three hundred and eighty (380') feet to the westerly line of Ninth avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Also, beginning at a point in the westerly line of Tenth avenue distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street three hundred and twenty-five (325') feet to the easterly line of the Boulevard; thence northerly along said line ten (10') feet to a point distant three hundred and twenty-five (325') feet from and parallel to the westerly line of Tenth avenue; thence northerly and along the easterly line of the Boulevard fifty feet five inches and one-half (50' 5 1/2") thence easterly three hundred and thirty-one feet eight inches (331' 8") to the westerly line of Tenth avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Also, beginning at a point in the westerly line of the Boulevard distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street three hundred and twenty-five (325') feet to the easterly line of West-End avenue; thence northerly along said line sixty (60') feet; thence easterly three hundred and seventeen (317') feet to the westerly line of the Boulevard; thence southerly along said line sixty feet six inches and one quarter, more or less, (60' 6 1/4") to the point or place of beginning.

Also, beginning at a point in the westerly line of West-End avenue distant four hundred and sixty-three feet eight inches (463' 8") northerly from the northerly line of One Hundred and First street; thence westerly and parallel with said street four hundred (400') feet to the easterly line of Riverside avenue; thence northerly along said line sixty (60') feet; thence easterly four hundred (400') feet to the westerly line of West-End avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Dated New York, September 8, 1882.
WILLIAM C. WHITNEY,
Counsel to the Corporation,
Tryon Row, New York City.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Twelfth street, from the westerly line of Eighth avenue to the easterly line of New avenue, west of Eighth avenue, in the City of New York.

PURSUANT to the statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said court, to be held at the Chambers thereof in the County Court House, in the City of New York, on Friday, the 6th day of October, 1882, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of One Hundred and Twelfth street, from the westerly line of Eighth avenue to the easterly line of New avenue, adjoining Morningside Park, in the City of New York, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the westerly line of Eighth avenue distant four hundred and fifty-three feet eight inches (453' 8") northerly from the northerly line of One Hundred and Tenth street; thence westerly and parallel with said street three hundred and seventy (370') feet to the easterly line of New avenue between Eighth and Ninth avenues; thence northerly and along said line sixty (60') feet; thence easterly three hundred and seventy (370') feet to the westerly line of Eighth avenue; thence southerly along said line sixty (60') feet to the point or place of beginning.

Said street to be sixty (60') feet wide between the lines of Eighth avenue and the New avenue between Eighth and Ninth avenues; said New avenue extending from One Hundredth street to Manhattan street.

Dated New York, September 8, 1882.
WILLIAM C. WHITNEY,
Counsel to the Corporation,
Tryon Row,
New York City.

In the matter of the application of the Department of Public Works for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of Ninety-seventh street, from the westerly line of the Boulevard to the easterly line of Riverside avenue, in the City of New York.

PURSUANT to the statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a special term of said court, to be held at the Chambers thereof in the County Court-house, in the City of New York, on Friday, the sixth day of October, 1882, at the opening of the court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of Ninety-seventh street, from the westerly line of the Boulevard to the easterly line of Riverside avenue, in the City of New York, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the westerly line of Boulevard distant two hundred and one foot ten inches (201' 10") northerly from the northerly line of Ninety-sixth street; thence westerly and parallel with said street three hundred and twenty-five (325') feet to the easterly line of West-End avenue; thence northerly along said line sixty feet (60') feet; thence easterly three hundred and twenty-five (325') feet; to the westerly line of Boulevard; thence southerly along said line sixty feet (60') to the point or place of beginning.

Also, beginning at a point in the westerly line of West-End avenue, distant two hundred and one foot ten inches (201' 10") northerly from the northerly line of Ninety-sixth street; thence westerly and parallel with said street three hundred and seventy-one feet eleven inches and three-quarters (371' 11 3/4") to the easterly line of Riverside avenue; thence northerly along said line sixty-one feet five and five-eighths inches (61' 5 5/8"), more or less; thence easterly three hundred and fifty-eight feet six inches and one-half (358' 6 1/2") to the westerly line of Boulevard; thence southerly along said line sixty feet (60') to the point or place of beginning.

Said street to be sixty feet (60') wide between the lines of Boulevard and Riverside avenue.

Dated New York, September 8, 1882.
WILLIAM C. WHITNEY,
Counsel to the Corporation,
Tryon Row, New York.

In the matter of the application of the Department of Public Works for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Fifty-fourth street, from Ninth avenue to Tenth avenue, in the City of New York.

PURSUANT to the statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a special term of said court, to be held at the Chambers thereof in the County Court-house in the City of New York, on Friday, the sixth day of October, 1882, at the opening of the court on that day or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of One Hundred and Fifty-fourth street, from Ninth avenue to

Tenth avenue, in the City of New York, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the easterly line of Ninth avenue, distant one hundred and ninety-nine feet ten inches (199' 10") northerly from the northerly line of One Hundred and Fifty-third street; thence westerly and parallel with said street two hundred and twenty feet one and one-half inches (220' 1 1/2") to the easterly line of Avenue St. Nicholas; thence northerly along said line sixty-one feet four and one-half inches (61' 4 1/2"); thence easterly two hundred and thirty-three feet ten inches (233' 10") to the westerly line of Ninth avenue; thence southerly along said line sixty feet (60') to the point or place of beginning.

Also, beginning at a point in the easterly line of Tenth avenue, distant one hundred and ninety-nine feet ten inches (199' 10") northerly from the northerly line of One Hundred and Fifty-third street; thence easterly and parallel with said street four hundred and seventy-six feet ten inches (476' 10") to the westerly line of Avenue St. Nicholas; thence northerly along said line sixty-one feet four and one-half inches (61' 4 1/2"); thence westerly four hundred and sixty-three feet ten and one-half inches (463' 10 1/2") to the easterly line of Tenth avenue; thence southerly along said line sixty feet (60') to the point or place of beginning.

Said street to be sixty feet (60') wide between the lines of Ninth and Tenth avenues.

Dated New York, September 8, 1882.

WILLIAM C. WHITNEY,
Counsel to the Corporation,
Tryon Row,
New York.

In the matter of the application of the Department of Public Works for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Thirty-eighth street, from the easterly line of Tenth avenue for a distance of 909 feet 3 3/4 inches easterly, and a new street or avenue which is a continuation thereof, from the last mentioned point in a southerly, easterly and northerly direction to the Avenue St. Nicholas, opposite One Hundred and Thirty-fifth street, in the City of New York, as laid out pursuant to chapter 587 of the Laws of 1881.

PURSUANT to the statutes in such cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said court, to be held in the chambers thereof in the County Court House, in the City of New York, on Friday, the 29th day of September, 1882, at the opening of the court on that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, for the use of the public, to all the lands and premises, with the buildings thereon and the appurtenances thereto belonging, required for the opening of One Hundred and Thirty-eighth street, from the easterly line of Tenth avenue for a distance of 909 feet 3 3/4 inches easterly, and a new street or avenue, which is a continuation thereof, from the last mentioned point in a southerly, easterly and northerly direction to Avenue St. Nicholas, opposite One Hundred and Thirty-fifth street, in the City of New York, being the following described lots, pieces or parcels of land, viz.:

Beginning at a point in the easterly line of Tenth avenue, distant seven hundred and nineteen feet six inches (719' 6") southerly from the southerly line of One Hundred and Forty-first street; thence easterly and parallel with said street nine hundred and nine feet three inches and one-quarter (909' 3 1/4") thence southerly forty feet and three-quarters of an inch (40' 3 3/4") thence southerly in a curved line, radius fourteen hundred and thirty-two feet nine inches and three-quarters (1432' 9 3/4") to the northerly line of One Hundred and Thirty-seventh street; thence westerly along said line seventy-three feet three inches and one-half (73' 3 1/2") thence northerly in a curved line, radius thirteen hundred and sixty-two (1362' 0") feet, distance two hundred and six feet seven inches and seven-eighths (206' 7 7/8"); thence northerly and tangent thereto, distance four feet ten inches and three-sixteenths of an inch (4' 10 3/16"); thence westerly eight hundred and fifty-eight feet ten inches and three-eighths of an inch (858' 10 3/8") to the easterly line of Tenth avenue; thence northerly along said line sixty feet (60') to the point or place of beginning.

Also, beginning at a point in the westerly line of Avenue St. Nicholas distant one thousand five hundred and thirty-five feet eight inches and one-half (1535' 8 1/2") southerly from the southerly line of One Hundred and Forty-first street; thence southerly in a curved line, radius one hundred and twenty-eight feet eleven inches (128' 11"), distance two hundred and eleven feet and thirteen-sixteenths of an inch (211' 0 13/16"); thence southerly and tangent thereto, distance one hundred and two feet seven-eighths of an inch (102' 7 7/8"); thence southerly, westerly and northerly in a curved line, radius fifty-five (55') feet, distance one hundred and fifty-nine feet and one-half of an inch (159' 0 1/2"); thence northerly in a curved line, radius four hundred and forty-five (445' 0") feet, distance three hundred and eighty-one feet five inches and eleven-sixteenths (381' 5 11/16"); thence northerly in a reversed curve, radius three hundred and eighty-five feet six inches (385' 6"), distance one hundred and eighty-one feet three inches and three-sixteenths (181' 3 3/16"); thence northerly and tangent thereto, distance one hundred and five feet four inches and seven-eighths (105' 4 7/8"); thence northerly in a curved line, radius fourteen hundred and thirty-two (1432' 0") feet, distance one hundred and twenty-one feet five inches and five-eighths (121' 5 5/8") to the southerly line of One Hundred and Thirty-seventh street; thence westerly along said line seventy-two feet four inches and five-sixteenths (72' 4 5/16"); thence southerly in a curved line, radius thirteen hundred and sixty-two feet (1362' 0"), distance one hundred and twenty-nine feet ten inches and one-quarter (129' 10 1/4"); thence southerly and tangent thereto, distance one hundred and five feet four inches and seven-eighths (105' 4 7/8"); thence southerly in a curved line, radius three hundred and fifteen feet six inches (315' 6"); distance one hundred and forty-eight feet four inches and one-quarter (148' 4 1/4"); thence southerly in a reversed curve, radius five hundred and fifteen feet (515' 0"), distance four hundred and forty-one feet five inches and thirteen-sixteenths (441' 5 13/16"); thence southerly, easterly and northerly in a curved line, radius one hundred and twenty-five feet (125' 0"), distance three hundred and sixty-one feet five inches and nine-sixteenths (361' 5 9/16"); thence northerly and tangent thereto, distance one hundred and two feet and seven-eighths of an inch (102' 0 7/8"); thence easterly in a curved line, radius fifty-eight feet eleven inches (58' 11"), distance ninety-six feet, five inches and nine-sixteenths (96' 5 9/16") to the westerly line of Avenue St. Nicholas; thence northerly along said line seventy (70' 0") feet, to the point or place of beginning.

Dated New York, September 8, 1882.

WILLIAM C. WHITNEY,
Counsel to the Corporation,
Tryon Row, New York.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
No. 66 THIRD AVENUE,
NEW YORK, September 11, 1882.

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 Commissioners of Public Charities and Correction report as follows:

At Morgue, Bellevue Hospital, from 104 Hester street—Unknown woman; age about 35 years; 5 feet 5 1/2 inches high; sandy hair, blue eyes; had on purple waist calico

flowered waist, brown overskirt, white muslin chemise, white stockings, black prunella gaiters.

Unknown man from foot of West Eleventh street; age about 30 years; 5 feet 8 inches high; black hair, blue eyes, brown mustache; had on black coat and vest, dark pants, white shirt, white knit undershirt, gaiters, white socks.

Unknown man from foot of Sixteenth street, North river; age about 30 years; 5 feet 7 inches high; dark brown hair, blue eyes, sandy mustache; had on blue flannel sack coat and pants, brogan shoes, gray undershirt and socks.

Unknown man from Pier 35, North river; age about 50 years; 5 feet 8 inches high; brown eyes, black hair, chin whiskers; had on black cloth vest, gray pants, blue check jumper, brown socks.

Unknown man from Pier 17, East river; age about 40 years; 5 feet 7 inches high; sandy hair, blue eyes; had on brown check coat and pants, black dotted calico shirt, low cut shoes, brown socks.

Unknown man from Pier 1, North river; age about 55 years; 5 feet 8 inches high; gray hair, blue eyes, full gray whiskers; had on brown pea jacket, gray linen duster, gray vest and pants, slippers.

At Penitentiary, Blackwell's Island—Paul J. Shulge, age 19 years. Had on when admitted black coat and pants, brown striped vest, white shirt, gaiters, black soft hat.

At Lunatic Asylum, Blackwell's Island—Mary Gallagher; aged 44 years; 4 feet 11 1/2 inches high, gray eyes and hair.

At Homeopathic Hospital, Ward's Island—James Johnson, colored, age 28 years; 5 feet 6 inches high; black eyes and hair. Had on when admitted striped coat and vest, black pants, gaiters, black soft hat.

John Orlen, age 31 years; 5 feet 6 inches high, brown eyes; black hair. Had on when admitted plaid suit of clothes.

At branch Lunatic Asylum, Hart's Island—Honora Haley, aged 65 years; gray eyes; dark hair.

Nothing known of their friends or relatives.

By order.

G. F. BRITTON
Secretary.

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

TO CONTRACTORS.

PROPOSALS FOR GROCERIES AND DRY GOODS.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES.
25,000 fresh eggs (all to be candled),
3,000 pounds butter; sample on exhibition Friday, A. M., September 14.
50 prime city-cured smoked hams, not exceeding 15 pounds weight.
50 pieces prime city-cured bacon (average, 6 lbs.), tongues.
3,000 pounds cheese.
3,000 " dried apples.
12,000 " Oolong tea.
25 barrels vinegar.
500 pounds pepper.
3 dozen chow chow (pints).
100 bags coarse meal.

DRY GOODS.
40,000 yards brown muslin.
10,000 " ticking.
5,000 " Canton flannel.
2,000 " furniture check.
100 dozen basting cotton.
100 packs pins.

—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9.30 o'clock A. M., of Friday, September 15, 1882. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries and Dry Goods," 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 head of said Department and read.

The Department of Public Charities and Correction reserves the right to decline any and all bids or estimates if deemed to be for the public interest, and to accept any bid or estimate as a whole, or for any one or more articles included therein. No bid or estimate will be accepted from, or a contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

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

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

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, in the penal amount of fifty (50) per cent. of the estimated amount of the contract.

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

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

No bid or estimate will be 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 the security required for the faithful performance of the contract. Such check or money

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 endorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

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

The Engineer's estimate of the quantity of the material necessary to be dredged in order to secure at the premises mentioned the depth below mean low water, named in the specifications, is 10,000 cubic yards.

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

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

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

The work to be done under the contract is to be commenced within five days after the date of the contract and the entire work is to be fully completed on or before the 31st day of October, 1882, 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, Sundays and holidays not to be excepted, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

All the material excavated is to be removed by the contractor, and deposited, in all respects, according to law; and any material dredged, not so deposited, shall not be paid for.

Bidders will state in their estimates a price per cubic yard for doing such dredging 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 re-let, 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, 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 would be entitled on its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount, in each case, to be calculated upon the estimated amount of the work to be done, by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the 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 the approval of 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 enclosed 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-book, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

The right to decline all the estimates is reserved, if deemed for the interest of the Corporation of the City of New York.

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

WILLIAM LAIMBEER,
JACOB VANDERPOEL,
JOHN R. VOORHIS,
Commissioners of the Department of Docks.

117 AND 119 DUANE STREET
NEW YORK, Sept. 8, 1882.

TO CONTRACTORS.

(No. 106.)

PROPOSALS FOR ESTIMATES FOR REPAIRING THE BULKHEAD AND PLATFORM BETWEEN PIERS 20 AND 21, EAST RIVER, AND THE PIER AT THE FOOT OF THIRD STREET, EAST RIVER.

ESTIMATES FOR REPAIRING THE BULKHEAD AND PLATFORM BETWEEN PIERS 20 AND 21, EAST RIVER, and for repairing the pier at the foot of Third 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, Nos. 117 and 119 Duane street, in the City of New York, until 12 o'clock M., of

MONDAY, SEPTEMBER 25, 1882,

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, or for either class thereof, 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 endorsed 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 Engineer's Estimate of the Nature, Quantities and Extent of the Work, is as follows:

	CLASS 1.	CLASS 2.
Bulkhead and Platform between Piers 20 and 21 East river.		Pier at Third street, East river.
1. 12x12-inch Yellow Pine, feet, B. M.	10,140	1,992
2. 8x8-inch Yellow Pine, feet, B. M.	470	427
3. 5x12-inch Yellow Pine, feet, B. M.	.....	250
4. 5-inch Yellow Pine plank, feet, B. M.	.....	16,350
5. 4-inch North Carolina Yellow Pine or Spruce plank, feet, B. M.	7,800	.....
6. 3-inch North Carolina Yellow Pine or Spruce plank, feet, B. M.	3,900	56,376
7. 5x12-inch White Oak, feet, B. M.	.....	2,600
8. 3x4-inch White Oak, feet, B. M.	.....	224
NOTE.—The above quantities are exclusive of extra lengths required for scars, laps, etc., and of waste.		
9. Spruce, Pine or Cypress Piles, 45 to 55 feet long,.....	5	17
10. Oak Fender Piles, 45 to 50 feet long,.....	11	12
11. Mooring Posts,.....	.....	6
12. Oak Cleats,.....	4	.....
13. Half-round Oak Fenders,.....	9	.....
14. Logs, Ties, etc., about,.....	116	.....
15. Iron Bolts, Spikes, Chains, Cast-Iron Washers, etc., lbs.	2,444	7,700
16. Rip-rap Stone, about cubic yards,.....	147	.....
17. Sand, about loads,.....	20	4
18. Labor and materials in Class 1, of moving and replacing sheds and buildings on Platform in accordance with the Specifications.	.....	.....
19. Labor in each class respectively, of framing and carpentry, including all moving of timber, jointing, planing, bolting, spiking and labor of every description.	.....	.....
20. Labor in each class respectively, of removing from the premises all the old material, except that to be used in the work under this Contract.	.....	.....

Estimates may be made for one, or both, of the above two classes.

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 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 contract d for 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, in each class, to be specified by the lowest bidder, shall be due or payable for the entire work.

The bidder to whom an award is made shall give security for the faithful performance of his contract, in the manner prescribed and required by ordinance, in the sum of five hundred dollars, for class 1, and in the sum of one thousand dollars for class 2, and in case the contract for both of the above named classes be awarded to him, in the sum of the aggregate amount required for the two classes.

The work to be done under the contract in both classes is to be commenced within five days after the date of the contract, and all the work to be done under Class 1 is to be fully completed on or before the 15th day of November, 1882, and all the work to be done under Class 2 is to be fully completed on or before the 1st day of December, 1882, and the damages to be paid by the contractor for each day that the contract, or any part thereof may be unfulfilled after the time or times fixed for the fulfillment thereof has expired, Sundays and holiday not to be excepted, are, by a clause in the contract, fixed and liquidated at fifty dollars per day.

All the old material taken from the said pier and bulkhead, and platform, to be removed under the 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 either or both of the above two classes, respectively, in conformity with the approved form of agreement and the specifications therein set forth, by which prices the bids will be tested. These prices are to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing each of the two classes of 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 re-let, 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, 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 would be entitled on its completion, and that which said Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount, in each case, to be calculated upon the estimated amount of the work to be done in each class by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of 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 the approval of 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 enclosed 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-book, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid the amount of his deposit will be returned to him by the Comptroller.

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.

WILLIAM LAIMBEER,
JACOB VANDERPOEL,
JOHN R. VOORHIS,
Commissioners of the Department of Docks.

NOTICE.

DEPARTMENT OF DOCKS,
Nos. 117 and 119 DUANE STREET,
NEW YORK, April 22, 1882.

RULES AND REGULATIONS ESTABLISHED for the government and proper care of piers, bulkheads, slips, and other wharf property, under the provisions of subdivision 7 of section 6 of chapter 574 of the Laws of 1871, by the Board of the Department of Docks, and published, to take effect on and after

MAY 1, 1882.

The said subdivision 7, among other things, provides as follows:

"The violation of or disobedience to any rule, regulation, or order of said Board shall be a misdemeanor, punishable by a fine not exceeding five hundred dollars, or by imprisonment not exceeding thirty days, or by both such fine and imprisonment, on complaint of said Board."

And every person guilty of a violation of or disobedience to any of the following rules or regulations, in addition to the penalties thereby fixed and imposed, to be recovered in civil actions, is liable to be prosecuted for a misdemeanor and to be punished by such fine and imprisonment, or by both.

No. 1.—No piles shall be driven, nor shall any platform be erected, nor shall any filling-in of any kind be made on any part of the water-front of the city, without a written permit therefor being first had and obtained from the Board, under a penalty of two hundred and fifty dollars, for every such offense, to be recovered from the owner, lessee, or occupant of any pier or bulkhead, or of any water-front property or right, who shall cause or permit any such work to be done upon his premises before such permit therefor has been obtained, and under the further penalty of fifty dollars for each and every day which shall elapse before any piles so driven, or platform so erected, or material so filled-in, without such permit being first obtained, shall be removed, after the expiration of the time which may be allowed for such removal, by a notice served upon such owner, lessee, or occupant, by the Corporation Wharfinger for the district, to be also recovered from such owner, lessee, or occupant.

No. 2.—No shed, building, office, tally-house, or other structure shall be erected, nor shall any derrick, hoisting-mast, coal-hopper, sign, or advertising device, or other erection or obstruction of any kind be placed, or maintained upon any pier, bulkhead, or other wharf structure, nor upon any reclaimed land, without a written permit therefor being first had and obtained from the Board; and if the owner, lessee, or occupant of any such

premises, or the owner, lessee, or agent, of any such structure, erections, or obstructions, shall fail to comply with a notice served by the Corporation Wharfinger for the district to remove any such structure, erection, or obstruction, after the expiration of the time allowed by such notice for the removal, such owner, lessee, occupant or agent, shall forfeit and pay a penalty of twenty-five dollars per day for each and every day, which shall elapse before any such structure, erection or obstruction, shall be removed, after the expiration of the time for the removal thereof specified in said notice.

No. 3.—No cargo shall be discharged from any vessel upon any bulkhead or wharf structure, at which such vessel is being unladen, after service by the Corporation Wharfinger for the district, upon the owner, consignee, master, or other officer, or stevedore, of such vessel, of a notice that such bulkhead or structure will be endangered by the placing of additional cargo thereon, under a penalty of two hundred and fifty dollars for every such offense, and a further penalty equal in amount to the damages of every description which shall be caused by the further discharging of cargo upon such bulkhead or wharf structure, after the service of the said notice, both of such penalties to be recovered from such owner, consignee, master or other officer or stevedore, severally and respectively.

No. 4.—All goods, merchandise, and materials of every kind, landed or placed on any pier, bulkhead, or other wharf structure, or upon reclaimed land, must be removed therefrom without unnecessary delay, and within twenty-four hours after the Corporation Wharfinger for the district shall have served upon the owner, shipper, or consignee, of such cargo, a notice to remove the same, under a penalty of fifty dollars per day for each and every day, during which any part of said cargo shall remain upon such pier, bulkhead, structure, or land, after the expiration of the said twenty-four hours, to be recovered from such owner, shipper, or consignee, severally and respectively.

No. 5.—All goods, merchandise and materials of every kind encumbering any pier, bulkhead or other wharf structure, or reclaimed land, after the time designated for the removal thereof shall have expired, will be liable to be removed by the Board to any warehouse or yard, at the sole risk and expense of the owner of any such property, and all expense incurred for such removal and storage or otherwise, shall be and become a lien thereon, and such goods, merchandise and materials will not be delivered to the owner until the expense of such removal and storage has been paid.

No. 6.—No person shall construct or maintain any engine-house, tally-house, or other small structure, under a permit of the Board, on any unshedded pier, or other wharf structure, unless the same be placed on wheels so as to admit of easy removal thereupon when required, and to prevent the accumulation of dirt or refuse thereunder, under a penalty of twenty-five dollars per day for each and every day which may elapse before the discontinuance of such offense.

No. 7.—No vessel of any kind shall be loaded or discharged by horse power, nor shall stones or similar cargo be discharged from any vessel, upon any pier, bulkhead or other wharf structure, unless proper plankings be provided to protect the surface of such pier, bulkhead or other wharf structure from injury consequent upon the travel of the horse, or the throwing of the stones or similar cargo thereupon, under a penalty of five dollars a day for each horse so employed, and of twenty-five dollars for each offense of discharging such stones or like cargo, upon such pier, bulkhead, or other wharf structure, to be recovered from the owner, consignee, master or stevedore of any such vessel, severally and respectively; and if such penalty be recovered for using horses, or discharging stones or similar cargo, upon wharf property belonging to the Corporation, under license, it shall be paid to the lessee thereof, but if such penalty be recovered for using horses, or discharging stones or similar cargo, upon wharf property not owned by the Corporation, it shall be paid to the owner thereof.

No. 8.—No sand shall be discharged from any vessel unless canvas or similar material be extended from the vessel's side to the bulkhead or wharf structure at which such vessel is being unladen, to prevent the falling of the sand into the water, and if the surface of any such wharf structure is not sufficiently tight to prevent the sand dumped thereon from going through into the water, then no sand shall be discharged thereon from any vessel, unless canvas or similar material be first laid thereon to receive the sand, under a penalty of twenty-five dollars for each offense, to be recovered from the owner, consignee, master or stevedore of any such vessel, severally and respectively; and if such penalty be recovered on account of sand discharged upon wharf property belonging to the Corporation, under lease, it shall be paid to the lessee thereof, but if such penalty be recovered on account of sand discharged upon wharf property not owned by the Corporation, it shall be paid to the owner thereof.

No. 9.—The owners, lessees and occupants of every pier, wharf and bulkhead in the City of New York shall keep the same in good repair, and the slips adjacent thereto properly dredged; and whenever, in the judgment of the Board, it shall be necessary so to do, written notices, signed by the President or Secretary of said Board, shall be served upon the owners, lessees or occupants, or collector of wharfage of any such pier, wharf or bulkhead, or the slip adjoining the same, on or in which repairs or dredging are required by said Board, specifying the nature and extent of the repairs or dredging so required, and the time within which such repairs must be made, or such dredging done; and in case the owners, lessees or occupants so notified, fail to comply with the terms and requirements of such notice, they shall forfeit and pay a penalty of fifty dollars per day for every day which shall elapse before they comply with such notice.

No. 10.—No ashes, refuse, offal, fruit, vegetables or any other substances, shall be thrown into the waters surrounding or adjacent to any pier or bulkhead, or any other part of the water-front of the city, under a penalty of twenty-five dollars for every such offense, to be recovered from the owner, lessee, or occupant, severally and respectively, of any pier, bulkhead, wharf structure, or other property, from which any such substance shall be thrown, or from the person actually throwing the same; or if any such substance be thrown from any vessel lying in waters within the jurisdiction of the Department, whether berthed or not, then such penalty to be recovered from the owner, consignee, or master of such vessel, severally and respectively.

No. 11.—No snow or ice shall be dumped into the waters adjacent to the water-front of the city, except from the piers, bulkheads and other places designated from time to time, by the Board, for such dumping, under a penalty of twenty-five dollars for each offense, to be recovered from the owner, lessee or occupant of any pier, bulkhead or other wharf property, from which any such snow and ice shall be dumped, or from the person actually dumping the same, severally and respectively.

No. 12.—All lumber, brick, or other material in bulk discharged on any bulkhead not shedded, shall be at once removed, or, if not so removed, shall be placed at least twenty feet from the edge of the bulkhead, pending removal, under a penalty of fifty dollars per day, for each and every day such lumber, brick or other material shall remain on the bulkhead, to be recovered from the owner or consignee of such lumber, brick or other material, or from the person placing, or causing the same to be placed, on such bulkhead, severally and respectively.

No. 13.—The charges for wharfage and dockage of all vessels admitted to any of the piers or bulkheads constructed under the new plans adopted by the Department, shall be at the same rates as are now, or shall hereafter be fixed and established by laws of this State, until otherwise ordered by the Board.

No. 14.—The term "Board," when used in the foregoing rules and regulations, shall be taken to mean "The Board of the Department of Docks of the City of New York," and the term "Corporation," when so used, shall be taken to mean "The Mayor, Aldermen and Commonalty of the City of New York."

JOHN R. VOORHIS,
JACOB VANDERPOEL,
WM. LAIMBEER,
Commissioners of Docks.