

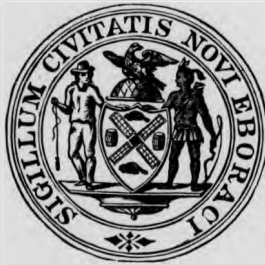
THE CITY RECORD.

OFFICIAL JOURNAL.

Vol. XII.

NEW YORK, SATURDAY, SEPTEMBER 13, 1884.

NUMBER 3,437.



DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending June 30, 1884.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, No. 31 CHAMBERS STREET,
NEW YORK, August 11, 1884.

Hon. FRANKLIN EDSON, Mayor :

SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to submit the following report of the transactions of this Department, for the quarter ending June 30, 1884 :

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation.....	\$530,515 70
On account of Assessment Fund, for street improvements.....	290,106 71
On account of Funded Debt, for improvement and extension of water supply.....	196,544 28
On account of Special Fund, for restoring pavements over street openings.....	4,572 00
On account of Revenue Bonds, for furnishing and setting water-meters.....	7,895 16
Total.....	\$1,029,643 85

Expenditures for Six Months ending June 30, 1884.

Appropriation Account.....	\$951,088 80
Assessment Fund.....	432,347 86
Funded Debt—Water Supply.....	497,792 76
Special Fund—Restoring Pavements.....	6,219 50
Revenue Bonds—For Water Meters.....	15,810 98
Total.....	\$1,993,259 90

SUMMARY STATEMENT OF CONTRACTS.

Contracts entered into during the Quarter.

8 paving contracts, estimated cost.....	\$84,776 66
11 sewer contracts, estimated cost.....	78,222 60
10 regulating and grading contracts, estimated cost.....	71,432 70
1 contract for water-pipes, estimated cost.....	19,838 50
10 gas and electric-light contracts, estimated cost.....	644,300 00
5 miscellaneous contracts, estimated cost.....	494,212 10
3 contracts under \$1,000 each, estimated cost.....	970 28
48 contracts, total estimated cost.....	\$1,393,752 84

Contracts Completed during the Quarter.

1 sewer contract, cost.....	\$3,440 59
11 regulating and grading contracts, cost.....	437,079 19
8 miscellaneous contracts, cost.....	67,377 64
20 contracts, total cost.....	\$507,897 42

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

Source of Supply.

The rain-fall for the three months at the several stations where the Department keeps rain gauges was as follows :

	APRIL. INCHES.	MAY. INCHES.	JUNE. INCHES.	TOTAL. INCHES.
At Boyd's Corners Reservoir, Croton Valley.....	2.56	4.33	2.04	9.33
At South East Reservoir, Croton Valley.....	2.73	3.70	2.54	8.97
At Croton Dam, Croton Valley.....	3.06	3.92	3.30	10.28
At Kensico Reservoir, on Bronx river.....	3.12	3.63	5.09	11.84
At Central Park Reservoir.....	2.39	3.36	5.39	11.14

The above shows an average rain-fall of 9.52 inches in the Croton Valley for the quarter. The Aqueduct was supplied to its full capacity from the natural flow of the Croton river, except between June 8 and June 26, when it was supplemented by drafts upon stored water as follows :

From Byd's Corners Reservoir.....	230,000,000 gallons.
From South East Reservoir.....	130,000,000 "
From Lake Kirk.....	160,000,000 "
Total.....	520,000,000 gallons.

Aqueduct Maintenance.

The Aqueduct and its appurtenances have been kept in good condition, and it has furnished, without interruption, the full supply of water which it is capable of conveying.

The work of improving and strengthening the structure has been prosecuted to the extent that the appropriation would admit, and includes the following special items :

6,450 cubic yards earth excavated.
100 cubic yards rock excavated.
905 cubic yards of stone walls built.
82 cubic yards of masonry work.
810 cubic yards stone quarried.
3,220 lineal feet of fences built.
400 square yards embankments sodded.

Distribution of Water.

Additional water-pipes to extend and improve the water supply were laid during the quarter in the following streets :

Sixty-seventh street, between Tenth and Twelfth avenues.
Fifty-seventh street, between Twelfth avenue and North river.
Avenue A, between Eightieth and Eighty-third streets.
Sixty-third street, between Avenue A and East river.
Eightieth street, between Avenues A and B.
Sixty-ninth street, between Eleventh and Twelfth avenues.
Lexington avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.
One Hundred and Sixth street, between Third and Lexington avenues.
One Hundred and Thirty-fifth street, between Fifth and Sixth avenues.
Thirty-second street, between First avenue and East river.

The aggregate length of pipes thus laid is :

12-inch pipe.....	6,781 lineal feet.
6-inch pipe.....	19,055 "

Total..... 25,836 lineal feet of pipes—or 4 $\frac{9}{10}$ miles, with 34 stop-cocks and 50 fire-hydrants.

Measures against Waste of Water.

The Waste Inspectors made 2,735 examinations of house-drains between the hours of midnight and 6 A. M., and found 313 places where the water was running into the sewers at the rate of from five gallons to less than one gallon per minute.

The greater portion of the force of Inspectors was employed in examining houses occupied for business purposes, to ascertain the necessity and urgency of placing water-meters. Five hundred and sixteen additional meters were placed, making 10,118 water-meters in use at the close of the quarter.

Work on the Bronx River Water Supply.

The progress made on this work during the three months is quite satisfactory. On June 1 the water passing through Kensico Dam was turned into the 48-inch conduit, and passes thence down to Scarsdale, where it is again turned into the river bed. The contract for the receiving and distributing reservoir at Williamsbridge was signed June 6, and work upon it has been begun. In September next the Department will be able to begin delivering water through the conduit into the distributing mains in the Twenty-third and Twenty-fourth Wards.

The following are the principal items of work done under the several contracts for building the conduit line and the reservoirs at Kensico and at Rye Ponds :

5,424 cubic yards rock excavated.
7,263 cubic yards earth excavated.
57,579 cubic yards embankments built.
1,255 tons of pipe delivered.
3,600 lineal feet 48-inch pipe laid.
4,040 lineal feet 36-inch pipe laid.
2,813 cubic yards masonry built.
3,837 cubic yards dry stone wall built.
765 lineal feet fence walls built.
31,000 feet B. M. timber furnished.

The gradual and constant decrease of pressure in the delivery of water through the distributing mains affects nearly every public and private interest in the city, and calls forth innumerable complaints. Too often the Department is blamed for the existing condition of things, notwithstanding the fact that in my earliest reports and documents I pointed out the only practicable measures to avert the evils of an inadequate water supply, and foretold the perils which would result, and are already partially realized, from delay in the adoption and execution of such measures.

The questions relating to the water supply have had my constant study and attention since I entered upon the duties of this office, in December, 1880, and I have lost no opportunity to ask for authority and means to carry out the measures found necessary to preserve and improve the supply, and to employ them with all possible energy so far as they have been granted.

In my first quarterly report, for the quarter ending December 31, 1880, I gave a brief summary of the condition of the supply, and expressed my conclusion and conviction of the urgent necessity of the speedy construction of a new Aqueduct, and the vigorous prosecution of measures to suppress waste of water.

In February, 1881, I engaged the services of Mr. E. S. Chesbrough, the eminent hydraulic engineer, as Consulting Engineer, and on March 13, 1881, on the resignation of Mr. John C. Campbell as Chief Engineer of the Croton Aqueduct, I appointed Mr. Isaac Newton as his successor, thus securing the best professional talent and experience in the management of this all-important and most difficult subject.

With my next quarterly report, for the first quarter of 1881, I embodied a special report of Chief Engineer Newton on the water supply, approved by Mr. Chesbrough. This report recommended the following measures :

The immediate construction of an aqueduct to bring a large additional water supply into the city. The vigorous prosecution of all available and practicable means to suppress waste of water.

The completion at the earliest practicable day of the works for the supply from the Bronx and Byram rivers.

The rapid prosecution of the work of strengthening the weak parts of the present aqueduct.

Regulating the outflow from the distributing reservoir, so as to keep the city reservoirs always well filled.

The following retrospect of the action of the Department in regard to these matters for the past three and a half years will show that no time or effort has been lost in elaborating, perfecting, and carrying out as far as possible the plans and measures involved in these recommendations.

First.—As to the Construction of a New Aqueduct.

Legislative authority was the first requisite for this work, and to secure it a bill was drawn up by the Counsel to the Corporation, and presented in the Legislature in 1881. This bill had the approval of the Mayor, the Comptroller, the Health Department, the Fire Department, a large majority of the public press, the Board of Fire Underwriters, and other corporate bodies and citizens, representing the largest interests of the city, as a measure of pressing necessity, carefully drawn to secure economy and prudence in the execution of the work. It passed both houses of the Legislature, but was vetoed by the then Governor, A. B. Cornell.

Had this bill not been vetoed, the city would enjoy the benefits of an additional water supply through a new aqueduct probably at the present time, or certainly at no distant day, instead of the prospect of waiting at least three years longer, and incurring in the meantime the discomforts and perils of further decrease of pressure in the distributing mains.

Notwithstanding this failure of legislative action, the Department pursued with such means as were at its command the surveys and examinations for an additional water supply from the Croton water-shed.

Shortly after his report of April, 1881, Chief Engineer Newton gave me the outlines of the plan, now substantially adopted by the Aqueduct Commissioners, of a storage reservoir near the mouth of the Croton river, and a tunnel aqueduct thence to the city. By the close of the year 1881 the plans and surveys for this work had been sufficiently elaborated under the direction of Chief-Engineer Newton and Consulting Engineer Chesbrough, to present the project in definite form and with an approximate estimate of cost. The plan was submitted for examination to Mr. John B. Jervis, the constructor of the Croton Aqueduct, Mr. James B. Francis, President of the American Society of Civil Engineers, and Mr. R. K. Martin, the constructor of the Baltimore Water-Works tunnel, and was unanimously approved by them, without consultation with each other, as the best plan for obtaining an additional water supply for the city.

The plan was presented in a special report to your predecessor, Mayor Wm. R. Grace, under date of February 23, 1882. No further legislative action on the subject was taken until January, 1883, when, by a resolution of the Senate, the Mayor was directed to appoint a Committee of five citizens, who, in conjunction with himself, should examine into and report to the Legislature on the subject of an additional water supply. This Committee was furnished by the Department with all desired information, and reported in favor of an aqueduct from the Croton river, as embodied in my report of February 23, 1882.

The Legislature finally passed, and on June 1, 1883, the present Governor approved, the act authorizing the construction of new reservoirs, dams and a new aqueduct, under the direction of six Aqueduct Commissioners, including the Mayor, the Comptroller and the Commissioner of Public Works.

The provisions of the act involve certain unavoidable delays in the preparation and adoption of the plans.

The following are some of these provisions, relating to the preparation, adoption and filing of maps and plans, and the acquisition of necessary lands, rights, etc.

"Sec. 2. The commissioner of public works shall, under the direction of the aqueduct commissioners, as soon as practicable after the passage of this act, submit to them a plan or plans, together with maps, specifications, estimates, and particulars relating thereto, for the construction of a new aqueduct or conduit for water from some point on the Croton river or Croton lake to some point in the city of New York, and for the construction of one or more dams and reservoirs to retain such water, and for the construction of such sluices, culverts, canals, pumping-works, bridges, tunnels, blow-offs, ventilating shafts, and other appurtenances as may be necessary to the proper construction, maintenance or operation of such aqueduct, dams and reservoirs. The said aqueduct commissioners may adopt, modify or reject, in whole or in part, any such plan or plans, and may cause such surveys to be made as they shall deem expedient to enable them to act intelligently in the premises. In case of the rejection of any such plan or plans, or of any part thereof, by said aqueduct commissioners, the said commissioner of public works shall, in like manner as aforesaid, prepare and submit to them another plan or plans in the place thereof, and shall continue so to do, under their direction, until a plan or plans covering the entire work contemplated by this act shall be approved by the said aqueduct commissioners. A copy of the plan or plans adopted by the said aqueduct commissioners shall be returned by them to the said commissioner of public works with a certificate of such adoption written thereon, and said plan or plans shall remain on file in the office of the said aqueduct commissioners and in the department of public works, and be open to public inspection, and shall be the plan according to which the said aqueduct, dams and reservoirs, with the appurtenances aforesaid, shall be constructed, subject to such changes or modifications as the said aqueduct commissioners may from time to time deem necessary for the more efficient carrying out of the provisions of this act. The said aqueduct commissioners may also from time to time change or modify said plan or plans as may be necessary for the more efficient carrying out of the provisions of this act. The said aqueduct commissioners, prior to the final adoption of such plan or plans, shall afford to all persons interested a full opportunity to be heard respecting such plan or plans, and shall give public notice of such hearing. And at such hearing or hearings, testimony may be produced by the parties appearing before them in such manner as the commissioners may determine. And each of them is hereby authorized to administer oaths and issue subpoenas in any proceeding pending before them. The commissioner of public works shall place at the disposal of said aqueduct commissioners all maps and surveys in the possession or under the control of the department of public works, as the same may be required by them."

"Sec. 4. The said commissioner of public works shall in like manner prepare and submit to the said aqueduct commissioners, six similar maps or plans of the proposed sites of the said proposed dams, reservoirs, and aqueduct, sluices, culverts, canals, pumping-works, bridges, tunnels, blow-offs, ventilating shafts, and the appurtenances thereof. Upon these maps there shall be laid out and numbered the various parcels of real estate on, over or through which the same are to be constructed or maintained, or which may be necessary for the prosecution of the work authorized by this act. On said maps the natural and artificial division lines existing on the surface of the soil at the time of the survey shall be delineated, and there shall be plainly indicated thereon of which parcels the fee, and over or through which parcels the right to use and occupy the same in perpetuity is to be acquired. The said aqueduct commissioners may adopt, modify, or reject such maps in whole or in part, and require others to be made instead thereof. The said maps may be made and filed in sections. One or more sections may be determined before the maps of the whole construction are completed. The proceedings hereinafter authorized may in like manner be taken separately in reference to one or more of such sections before the maps of the whole are filed. The work upon one or more of such sections may be begun before the maps of the remaining sections are filed. In case of such rejection the said commissioner of public works shall in like manner, as aforesaid, prepare and submit others, until maps shall be approved by the said aqueduct commissioners, covering the entire area required for the construction, maintenance and operation of said aqueduct, dams, reservoirs, culverts, sluices, canals, bridges, tunnels, pumping works, blow-offs, shafts, and appurtenances, according to the plan or plans theretofore by said commissioners approved. The maps when adopted by the said aqueduct commissioners shall be by them transmitted to the counsel to the corporation, with a certificate of such approval written thereon and signed by the commissioners adopting such maps."

"Sec. 5. The said counsel to the corporation shall cause one of said maps to be filed in the office of the clerk of each county in which any real estate laid out on such maps shall be located, except that in any in which there may be a register's office the said maps shall be filed therein instead of with the county clerk. The fourth, fifth, and sixth maps shall be disposed of in the manner indicated in section eleven of this act."

"Sec. 6. After the said maps shall have been filed, as provided for in the last section, the said counsel to the corporation, for and on behalf of the mayor, aldermen and commonality of the city of New York, shall, upon first giving the notice required in the next section of this act, apply to the supreme court at any general or special term thereof to be held in the second judicial district, for the appointment of commissioners of appraisal. Upon such application, he shall present to the court a petition signed and verified by the commissioner of public works according to the practice of said court, setting forth the action theretofore taken by said commissioner of public works and by the

said aqueduct commissioners, and filing of said maps and praying for the appointment of such commissioners. Such petition shall contain a general description of all the real estate to, in, or over which any title, interest, right, or easement is sought to be acquired for the said city for the purposes of this act, each parcel being more particularly described by a reference to the number of said parcel as given on said maps, and the title, interest, or easement sought to be acquired to, in, or over such parcel, whether a fee or otherwise, shall be stated in the petition."

"Sec. 7. The said counsel to the corporation shall give notice in the CITY RECORD and in two public newspapers published in the city of New York, and in two public newspapers published in each other county in which any real estate laid out on said maps may be located, of his intention to make application to the said court for the appointment of such commissioners of appraisal, which notice shall specify the time and place of such application, shall briefly state the object of the application, and shall describe the real estate sought to be taken or affected. A statement of the boundaries of the dams, reservoirs, sluices, culverts, canals, pumping-works, bridges, tunnels, blow-offs and ventilating shafts and of the route of the aqueduct by courses and distances and of the greatest and least width of its track, with separate enumerations of the numbers of the parcels to be taken in fee, and of the numbers of the parcels in which an easement is to be acquired, with a reference to the dates and places of filing the said maps, shall be sufficient description of the real estate sought to be so taken or affected. Such notice shall be so published continuously in each issue of the said newspapers for six weeks immediately previous to the presentation of such petition; and the said counsel to the corporation shall in addition to the said advertisement, cause copies of the same, in hand-bills, to be posted up for the same space of time, in at least twenty conspicuous places on the line of the aqueduct in the vicinity of the real estate so to be taken or affected."

"Sec. 8. At the time and place mentioned in said notice, unless the said court shall adjourn said application to a subsequent day, and, in that event, at the time to which the same may be adjourned, the court, upon due proof to its satisfaction of the publication and posting aforesaid and upon filing the said petition, shall make an order for the appointment of three disinterested and competent freeholders, one of whom shall reside in the county of New York, and the other two of whom shall reside in the county or counties in which the said real estate shall be situated, as commissioners of appraisal to ascertain and appraise the compensation to be made to the owners and all persons interested in the real estate laid down on said maps, as proposed to be taken or affected for the purposes indicated in this act. Such order shall fix the time and place for the first meeting of the commissioners."

"Sec. 9. The said commissioners shall take and subscribe the oath required by the twelfth article of the constitution, and shall forthwith file the same in the office of the clerk of Westchester county, and shall file certified copies of said oath in the office of the clerk of the county of New York, and in the registers' offices in the counties of New York and Westchester, and in the office of the clerk of any other county in which any of said real estate may be situated."

"Sec. 10. On filing said oath in the manner provided in the last section, the said mayor, aldermen and commonality of the city of New York shall be and become seized in fee of all those parcels of real estate which are on the maps in the fourth section referred to described as parcels, of which it has been determined by said aqueduct commissioners that the fee should be acquired; and may immediately or at any time or times thereafter take possession of the same or of any part or parts thereof without any suit or proceeding at law for that purpose; and the said commissioner of public works and the said aqueduct commissioners, and the said mayor, aldermen and commonality of the city of New York, or any person or persons acting under their or its authority, may enter upon and use and occupy in perpetuity all the parcels of real estate described in said map for the purpose of constructing and maintaining on, in, under, or over the same the said aqueduct, dams and reservoirs, with the said blow-offs, sluices, culverts, bridges, tunnels, ventilating shafts and their appurtenances."

As soon as the Aqueduct Commissioners met and organized, in July, 1883, I submitted to them the plan of a reservoir near the mouth of the Croton, and an aqueduct thence to the Central Park reservoir, prepared by Chief Engineer Newton, and approved by Messrs. John B. Jervis, E. S. Chesbrough, James B. Francis, George S. Greene, Junius W. Adams and Robert K. Martin, as the best plan for procuring the additional water supply. These names include the highest talent and authority in the country on hydraulic engineering. The Commissioners during the summer and autumn of last year, while having the subject under consideration, proposed several changes in the aqueduct route, and called for surveys, explorations and plans embodying such modifications.

These surveys and explorations involved a very large amount of work, which was most vigorously prosecuted by the Chief Engineer and assistants, in the field and in the office, last autumn and throughout the past very severe and prolonged winter. All the information, maps and plans called for were furnished as promptly as possible.

One of the changes adopted by the Aqueduct Commissioners is in the distances between, and in the depths of, shafts for the aqueduct tunnel, by which sections of the tunnel are made considerably longer than proposed in the plan of this Department. It is to be feared that this will lengthen the time required for the work. The time for the completion of the whole work on the aqueduct is naturally governed by the time required for the longest and most difficult sections. The maps and plans for all but about four miles of the aqueduct have been finally adopted and filed; and advertisement is now being made as required by law, in anticipation of entering upon lands to begin the construction of the tunnel.

Second.—Suppression of Waste of Water.

The necessity for vigorous measures to suppress waste of water was first recognized in a practical manner by my predecessor, the Hon. Allan Campbell. In 1877 he inaugurated a system of house inspections by a corps of inspectors, to detect, remedy and prevent leaks in water fixtures and waste by leaving faucets open; and in 1878 he began the general applications of water-meters on business establishments where large quantities of water are used. At the close of 1878 there were only 601 meters in use in the city. These were gradually increased until, at the close of 1880, just after my accession to this office, there were 4,002 meters in use. From that date to June 30, last, 6,116 meters were placed, increasing the total number to 10,118. The distribution of meters among various business establishments and buildings on January 1, 1881 and 1884, respectively, and the amount of water daily used through the meters on which one or more readings had been taken at those dates, were as follows:

	JANUARY 1, 1881.		JANUARY 1, 1884.	
	No. of Meters.	Gallons of Water Used Per Day.	No. of Meters.	Gallons of Water Used Per Day.
Hotels	307	1,239,389	336	1,707,800
Breweries, malt houses, etc.....	235	1,057,675	302	1,510,400
Railroads	157	1,295,234	186	1,191,000
Docks.....	96	1,245,000	112	1,439,000
Factories.....	212	970,751	381	1,153,200
Stables.....	1,070	843,332	1,388	1,018,500
Gas-works.....	31	579,547	37	831,800
Office buildings	421	515,089	1,760	1,648,800
Charitable institutions.....	78	315,565	95	418,000
Apartment-houses	41	147,852	93	227,800
Miscellaneous	598	1,601,311	3,467	5,137,500
Totals.....	3,246	9,810,795	8,157	16,283,800

This table shows that in placing meters the largest establishments, using the largest quantities of water were reached first, and that their use is being gradually extended to smaller business places, classed above under the head of miscellaneous. Very frequent objections are made by the owners of the smaller establishments, and some by owners of large ones, to the alleged hardship of being compelled to use water-meters, but it is the most effective, and therefore the most useful and necessary method of stopping waste, and I have used and will continue to use my authority in the matter with impartiality and vigor.

The house inspections of water fixtures have been continued with as large a force as the appropriations made each year would admit. To detect leaks in plumbing arrangements which could not be discovered by house inspection, and to locate houses where people indulge in the practice of leaving faucets open at night time, a system of night inspection of house drains, where they empty into the sewers, was begun in 1881, and continued since. The day and night inspections since January 1, 1881, have resulted in the detection of 12,519 cases of leaks from defective plumbing and willful waste in keeping faucets open; in every case where the notice to stop the leakage or waste was disregarded, the water supply was shut off.

Though these inspections are very useful and beneficial to a certain extent, they are inadequate to detect and stop more than a small percentage of the waste which occurs in private houses used as dwellings; under the present law, the owner of private houses or dwelling cannot be compelled to pay for placing and keeping water-meters on their premises, but the city can place and keep them at its own expense. Several other instruments or appliances, less expensive than water-meters, have been submitted to me, by which the flow of water passing through a service pipe into a building can be ascertained from time to time, but the meter is the only instrument which gives a constant record of the water consumed. The means to put any one of these instruments into practical use on dwellings have not been granted. A bill was introduced into the Legislature of 1881, giving authority to place a stop-cock on the service pipe of each house, between the house and the water-main, to which a pressure-gauge was to be applied from time to time, giving the flow of water through the service pipes into the house, but the bill was not passed.

My application to the Board of Estimate and Apportionment for an appropriation of \$250,000 for the year 1882, to enable me to use some approved instrument for measuring the water consumed in private houses was also denied, but an appropriation of \$5,000 was made for 1882, to test appliances for ascertaining the consumption of water in private houses. The tests were made in two exclusively private streets, Forty-seventh and Forty-ninth streets, between Fifth and Madison avenues. During the first ten days the consumption of water in the forty-five houses on the two blocks was 26,130 gallons per day. The occupants of the houses where water was found to be used to excess were then notified to repair defects in plumbing and to stop waste, and in two months the total consumption was reduced to an average of 20,107 gallons per day, a reduction of over 23 per cent.

In addition to the use of meters and the systems of inspection the Department has employed other means to stop the lavish use of water. In the autumn of 1881 all permits for using water through hose in washing sidewalks, areas, house fronts, etc., were revoked, and no permits for that purpose have since been issued.

The use of the "Hansom" pumps, which are worked by water pressure, has been prohibited. The supply to ornamental fountains was shut off.

The public drinking-fountains have been fitted with stop-valves to stop the flow of water when the troughs are full. These uses of water may be classed as luxuries which carry with them certain benefit and which may be perfectly justifiable and even commendable if the water supply was ample, but which cannot be indulged when, as is now the case, the water for absolute necessities can only be sparingly supplied.

The results of the use of water-meters and of the other measures for the suppression of waste may be summarized as follows:

The several years prior to 1877, when the population of the city was about 1,050,000 (census of 1875, 1,041,886), and the total water supply was just the same as it now, viz.: The full capacity of the present Aqueduct, the pressure in the mains at certain times and seasons, especially in extreme hot and extreme cold weather, when excessive waste was indulged, were as low as they are now.

Had the consumption of water continued at the same rate per capita, we would now need 30,000,000 gallons of water per day more than the Aqueduct can supply, and whole sections of the city would be without water. The fact that water is still delivered to every building connected with the service is entirely due to the suppression of waste. Larger means are needed, however, to attain the larger results which are necessary to maintain the distribution of water to all parts of the city for the next few years.

Third.—Works for the Bronx and Bryam River Supply.

Although the surveys for these works were begun in 1877, the actual work on the first contract, that for building the Kensico reservoir, was not begun until October, 1880. It could not have been begun even then, if the land for the dam had not been purchased by agreement with the owners, as the legal proceedings for acquiring the land to be flooded above the dam were not confirmed until May, 1881. There were six separate legal proceedings for acquiring the land for the reservoirs and the conduit line, embracing 113 separate parcels of land, and the last of these was confirmed in November, 1883.

In his report for the quarter ending June 30, 1879, Mr. Allan Campbell stated that, as the expenditure on the work was limited to \$1,000,000 per annum, and he estimated the entire cost at \$3,000,000, it would take three years to complete the works. The awards for the lands, water rights, easements, etc., made by the Commissioners of Appraisal, and confirmed by the Court, however, exceed the estimate of Commissioner Campbell. By this increase in the cost of lands, water rights and rights of way, the moneys applicable to the construction work, and the amount of work which could be done each year, were correspondingly diminished.

The several sections of the conduit line could only be put under contract successively, as the proceedings for acquiring land and rights of way were consummated. Taking these circumstances into consideration, together with the fact that all the work had to be done by contract (thirteen contracts) publicly let to the lowest bidder, the entire work has been carried on with all possible dispatch, and it is very gratifying to me that the prediction made in several of my earlier reports, that by September of this year the Department would be able to bring the Bronx river water into the city, will be fully realized. In the course of that month we will receive through the pipe conduit about ten million gallons of water per day, of which five million gallons will be distributed in the Twenty-third and Twenty-fourth Wards, and the remainder will be passed through the aqueduct into the Central Park reservoir. Most people will probably be disappointed because the improvement in the pressures from this addition to the supply will be comparatively small, but it will at least relieve the city from the impending dangers caused by excessive consumption or waste of water in very hot and very cold weather.

Fourth.—Strengthening the Aqueduct and regulating the outflow from the Central Park Reservoir.

The work of strengthening the Aqueduct structure and embankments by reinforcing the top arch and side embankments and the retaining-walls, which was begun by my predecessor, has been steadily pursued to the full extent which the amounts annually appropriated would permit. A great improvement has been made in placing four shut-off gates in the Aqueduct, at the waste weirs at Kingsbridge, Yonkers, Tarrytown and Sing Sing, by means of which the time required for drawing off the water when necessary for interior repairs, is reduced to about one-fourth of that formerly required.

Early in 1882 new throttle valves were placed on two of the large outlet mains at the Central Park reservoir, by means of which additional pressure for use in case of fires can be turned on more rapidly than before. Since then telephonic communication has been established between the Fire Department and the reservoir, and also with the repair stations in each of the four districts into which the city is divided for repairs on water-pipes, so that additional pressure can be turned on in the

shortest time possible, not only from the reservoir, but also from the distributing mains in the vicinity of the fire.

BUREAU OF WATER PURVEYOR.

Pavements.

The regular pavement repair force for the season was organized in the latter part of May, with 364 pavers, rammers and laborers and 76 carts, and the work has since been vigorously prosecuted in all parts of the city.

The appropriation for this year is \$200,000, from which the following pavements have to be maintained:

	Area, Square Yards.	Length, Miles.
Granite and trap-block pavement.....	5,700,000	283.70
Cobble stone.....	782,000	46.43
Asphalt.....	8,800	.62
Totals.....	6,490,800	330.75

The wear and tear on the pavements becomes greater from year to year with the increase of population, commerce and street traffic. But, as has frequently been stated in these reports, the greatest obstacle to the maintenance of smooth and firm pavements, is the frequency of the excavations in the streets for the purpose of laying, repairing and making connections with the numerous underground structures and conduits. It is but natural that the telegraph, telephone and electric light companies which have obtained the privilege of using our streets, and which are operated for the profit of the stockholders, should endeavor to do their street work as economically as possible; and constant surveillance on the part of the Department can alone secure the proper restoration of the pavements removed by them from time to time. In many streets the lines and works of different companies are so intermingled that it is difficult to trace and fasten the responsibility for defects in pavements caused by excavations. This entire subject has received my special attention for some time, and in view of the enormous growth of the various underground structures, I have permanently assigned a competent and energetic engineer, who has special experience in that class of work, as General Inspector over the work done in the streets by private corporations, with as many local inspectors as are needed; the services of all so employed being paid by the companies doing the work.

Among the streets which were recommended and authorized to be repaired this year, there are several which are in part included in old land grants, and I have requested the Counsel to the Corporation to examine the conditions of the grants, in order to ascertain whether the grantees are not required to repave the streets within the lines of the respective grants. If such obligation on the part of grantees can be established the city will be relieved of a large expense for repavements, as the area of land grants along the water-front is quite large. Until the question is decided the several streets affected thereby will not be repaved.

The commencement of the repavement work as well as that of laying pavements on new streets, to be paid for by assessments, has been delayed this year on account of the lateness of the season, and in consequence of alterations and improvements made in paving contracts and specifications; a statement of its progress will be made in the next quarterly report.

Repairs of Water-pipes.

The force employed in repairing the water-pipes, stop-cocks and hydrants averaged during the quarter 78 mechanics and laborers and 8 carts. The work includes the following:

- Repairing 328 defects in pipes and stop-cocks.
- Repairing 997 fire-hydrants.
- Setting 108 new fire-hydrants in place of old ones.
- Setting 1 additional fire-hydrant.
- Shutting off 155 water-taps on account of leaks in service pipes.

BUREAU OF SEWERS.

The number of contracts for new sewers completed during the quarter is 36, and 38 new contracts were entered into.

The work done under the several contracts includes:

- 6,852 lineal feet of sewers.
- 354 lineal feet of culverts.
- 69 lineal feet of house connections.
- 12 receiving-basins.

The deep sewer in Fifty-ninth street easterly and westerly from Madison avenue and up Madison avenue to Fifty-ninth street, was completed in May. It is a great improvement to the sanitary condition of that section of the city, as it is deep enough to carry off the subsoil water which heretofore produced malarious influences in the neighborhood.

The present extent of sewerage on Manhattan Island is:

- 409 $\frac{2}{3}$ miles of sewers.
- 4,997 receiving-basins.

The following are the principal items of work done by the force employed in repairing and cleaning sewers:

- 449 lineal feet of sewers rebuilt.
- 64 lineal feet of culverts rebuilt.
- 634 receiving-basins cleaned.
- 19,781 lineal feet of sewers cleaned.
- 424 lineal feet of sewers repaired.
- 159 lineal feet spur pipe laid.
- 50 receiving-basins repaired.
- 20 basin heads reset.
- 7 new manholes built.
- 123 manholes repaired.
- 10 new basin covers put on.
- 24 new manhole heads put on.
- 49 new manhole covers put on.
- 2,241 cubic yards earth excavated and refilled.
- 2,192 cart-loads sewer deposits removed.

BUREAU OF STREET IMPROVEMENTS.

Thirty-two separate regulating and grading works were in progress during the quarter, on which the following quantities of work were done:

- 29,594 cub/c yards earth excavated.
- 40,565 cubic yards rock excavated.
- 79,226 cubic yards filling placed in embankments.
- 21,957 lineal feet curb-stones set.
- 77,170 square feet flagging laid.
- 173 lineal feet culverts built.
- 308 lineal feet picket fence built.

The large and important work of filling-in the low ground from One Hundred and Forty-third to One Hundred and Fifty-fifth streets, between Eighth and Ninth avenues, which was formerly flooded at high tide, has been finished, and a large area made available for occupation. The total amount of filling placed there is 188,694 cubic yards.

BUREAU OF STREETS AND ROADS.

Extensive repairs were made during the quarter on the following macadam roadways: Seventy-second street, between Fifth avenue and Eastern Boulevard; Seventy-second street, between Eighth avenue and Riverside Drive; Fifth avenue, between Fifty-eighth and One Hundred and Twentieth streets; Eastern Boulevard, between Fifty-seventh and Eighty-sixth streets; One Hundred and Tenth street, between First avenue and Western Boulevard; One Hundred and Sixteenth street, between Pleasant and Seventh avenues; Sixth, Seventh and St. Nicholas avenues, north of One Hundred and Tenth street; the Boulevard, from Fifty-ninth street to One Hundred and Fifty-fifth street. Minor repairs were made on all the other macadamized streets.

There were used in the repairs—

1,231 cubic yards of sand.
207 cubic yards of broken stone.
41 cubic yards of gravel.

In cleaning the roadways, 2,851 cubic yards of dirt was removed.

On the country roads and unpaved streets, repairs were made in more than thirty separate locations, distributed over the area between Eighth street and the Harlem river.

BUREAU OF LAMPS AND GAS.

At the beginning of the quarter, there were in use in the streets and parks of the city, 24,412 gas-lamps and 128 electric-lamps.

Under a contract made with the United States Illuminating Company, dated April 29, 1884, two hundred and twenty-eight new electric-lamps have been placed in the following streets and places: Bleecker street, from Broadway to Eighth avenue; East Broadway, from Chatham Square to Grand street; Eighth avenue, from Bleecker street to Fourteenth street; South street, from Whitehall street to Grand street; West street, from Battery place to West Eleventh street; Broadway, from Battery place to Canal street; Gansevoort Market Square; Tompkins Square.

Under a contract of same date with the Brush Electric Illuminating Company, one hundred and eighty new electric-lamps have been placed in the following streets:

Fourteenth, Twenty-third, Thirty-fourth and Forty-second streets, from river to river; Seventh avenue, from Fourteenth street to Fifty-ninth street. Under the same contract this company will place electric-lamps in Fourth avenue, from Fourteenth street to Thirty-fourth street; Park avenue, from Thirty-fourth street to Forty-second street; Fifth avenue, from Thirty-fourth street to Fifty-ninth street; Broadway, from Thirty-fourth street to Fifty-ninth street; Fifty-ninth street, from Third avenue to Ninth avenue.

In consequence of this extension of electric light 1,572 gas-lamps have been discontinued. At the close of the quarter there were 23,084 gas-lamps and 534 electric-lamps in use on the streets and parks.

BUREAU OF REPAIRS AND SUPPLIES.

The principal items of repairs and improvements on public buildings for the quarter are as follows:

Repainting and repairing wood-work in the rooms of the Court of Special Sessions in the Tombs Building.

Repairing the roof, gutters and leaders on Clinton Market building.

Repairing the roof and gutters of Fulton Market.

Putting 2,300 square feet of new planking on the Vesey street pier at Washington Market.

Putting up new steps, rails and balusters on Centre Market building, and repairing old stairways.

Repairing the steam pump in the Brown Stone Court-house.

Making extensive repairs in the Seventh District Court-house.

Repairing the stoop, platform and drowning cage at the Dog Pound.

The public baths were opened on the first of June. There are now eleven baths in use, four new ones having been built last year, and the two oldest ones sold, as directed by chapter 425 of the Laws of 1883.

The attendance at the seven baths for the month of June was as follows:

LOCATION OF BATH.	MALES.	FEMALES.	TOTAL.
Gouverneur street, East river.....	41,815	14,851	56,666
Fifth street, East river.....	61,286	22,917	84,203
Nineteenth street, East river.....	27,156	14,529	41,685
Thirty-seventh street, East river.....	38,422	19,482	57,904
One Hundred and Twelfth street, Harlem river.....	26,700	11,031	37,731
Morrisania Dock, Harlem river.....	4,335	679	5,014
Duane street, North river.....	18,268	6,702	24,970
Horatio street, North river.....	41,469	11,624	53,093
Twenty-seventh street, North river.....	25,789	6,236	32,025
Fifty-first street, North river.....	29,676	14,200	43,876
At the Battery.....	59,774	27,192	86,966
Totals.....	374,908	149,443	524,351

BUREAU OF INCUMBRANCES.

This Bureau received during the quarter 751 complaints of obstructions on streets and sidewalks. Notices requiring the removal of the obstructions were issued in each case, and in 252 cases of non-compliance with the notices the articles were seized and taken to the Corporation Yard.

The Bureau also removed 447 cart-loads of stone, dirt and other refuse from the streets.

There were issued—

2,414 permits to place building material on streets.

27 permits to cut down shade trees.

246 miscellaneous permits.

237 notices to repair defective sidewalks.

5 notices to repair defective vault covers.

BUREAU OF WATER REGISTER.

The amount of revenue from the water service collected during the three months is as follows:

Water rents.....	\$606,082 97
Penalties on water rents.....	1,782 60
Permits to tap water-pipes.....	3,608 50
Total.....	\$611,474 07

MISCELLANEOUS REVENUE.

The Department also collected and paid into the City Treasury during the quarter:

For vault permits.....	\$15,969 97
For sewer permits.....	7,431 37
For restoration of pavements over excavations.....	9,671 00
For furnishing and setting water-meters.....	6,000 27
For furnishing and setting water-meters, old account.....	54 00
For redemption of articles removed as obstructions.....	364 38
For old material sold at auction.....	585 70
Total.....	\$40,076 69

Very respectfully,

HUBERT O. THOMPSON, Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations and Transfers of 1883; Requisitions on 1883 to April 1, 1884; Requisitions on 1883 in Second Quarter of 1884; Balances of 1883 on July 1, 1884; Appropriations and Transfers of 1884; Requisitions, First Quarter, 1884; Requisitions, Second Quarter, 1884; Balances of 1884 on July 1, 1884; the Titles and Expenditures on Trust and Special Accounts, and Receipts for the first Six Months, 1884.

TITLES OF APPROPRIATIONS.	Appropriations and Transfers of 1883.	Requisitions on 1883 to April 1, 1884.	Requisitions, on 1883 in Second Quarter, 1884.	Balances of 1883 on July 1, 1884.	Appropriations and Transfers of 1884.	Requisitions First Quarter of 1884.	Requisitions Second Quarter, 1884.	Balances of 1884 on July 1, 1884.
Aqueduct—Repairs, Maintenance, and Strengthening.....	\$227,000 00	\$210,482 17	\$9,672 59	\$6,845 24	\$225,000 00	\$17,801 37	\$37,052 15	\$170,146 48
Aqueduct—Repairs, Maintenance, and Strengthening—Salaries.....	23,000 00	22,953 31	46 69	46 69	25,000 00	3,600 04	7,773 49	14,226 47
Boulevards, Roads, and Avenues—Maintenance.....	70,700 00	68,292 22	114 21	1594 67	50,000 00	5,131 64	16,174 46	28,693 90
Boulevards, Roads, and Avenues—Maintenance—Salaries.....	2,100 00	2,091 00	9 00	9 00	2,100 00	375 00	375 00	1,350 00
Construction and Maintenance of Four New Public Baths.....	52,200 00	51,118 80	1,081 20	1,081 20	50,000 00	918 63	2,052 94	1,028 43
Contingencies—Department of Public Works.....	4,500 00	4,456 06	43 94	43 94	4,000 00	31 20	1,500 00	1,468 80
Flagging Sidewalks and Fencing Vacant Lots, etc.....	1,500 00	1,455 89	23 84	23 84	1,500 00	2 00	2,500 00	2,500 00
For an Iron Awning around Jefferson Market Building.....	.....	.....	.....	.....	10,000 00	.....	.....	10,000 00
For Repairs and Alterations on Essex Market Court-house.....	.....	.....	.....	.....	4,500 00	.....	.....	4,500 00
For Repairs on Essex Market Building.....	708 50	707 53	1 47	1 47	5,000 00	.....	.....	5,000 00
For Surveys for Board of Street Openings and Improvement.....	.....	.....	.....	.....	17,027 50	604 50	7,734 46	8,688 54
Forty-second Street Reservoir—Reconstruction.....	.....	.....	.....	.....	21,022 50	540 00	5,043 50	16,039 00
Free Floating Baths—Salaries.....	15,000 00	14,225 90	534 46	329 64	15,000 00	.....	.....	15,000 00
Free Floating Baths—Repairs.....	17,410 00	16,669 50	740 50	740 50	15,000 00	.....	.....	15,000 00
Furnishing Pipes, etc., North Brother Island.....	34,000 00	34,000 00	.....	4,038 75	35,000 00	.....	.....	35,000 00
Iron Bridge over Fourth Avenue at Ninety-eighth Street.....	.....	.....	.....	.....	673,000 00	31,304 74	145,218 06	436,477 20
Lamps and Gas and Electric Lighting.....	584,184 00	583,912 90	272 00	15 08	5,816 00	1,553 22	1,518 00	2,744 78
Laying Croton Pipes.....	5,800 00	5,800 00	.....	3,740 20	18,000 00	2,822 00	16,998 57	166,249 43
Laying Croton Pipes—Salaries.....	235,128 00	227,512 24	5,740 20	4,175 56	10,000 00	.....	.....	10,000 00
Public Buildings—Construction and Repairs.....	14,572 00	14,392 28	179 72	179 72	12,000 00	3,510 49	4,018 58	4,470 93
Public Drinking Hydrants.....	36,500 00	55,080 72	939 47	939 47	55,000 00	1,325 59	13,892 29	39,782 12
Public Drinking Hydrants—Salaries.....	5,000 00	2,416 98	.....	2,583 08	1,804 00	150 10	84 00	1,654 00
Removing Obstructions in Streets and Avenues.....	5,500 00	5,409 99	.....	7,500 00	698 00	.....	857 65	5,748 00
Removing Obstructions in Streets and Avenues—Salaries.....	2,500 00	2,500 00	.....	.....	2,500 00	624 99	992 50	875 51
Repairing and Renewal of Pipes, Stop-cocks, etc.....	149,135 18	145,931 82	2,536 67	666 69	195,000 00	29,055 69	44,758 43	121,185 88
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	55,000 00	54,998 79	.....	91 21	68,500 00	14,061 45	29,447 77	31,590 78
Repairs and Renewal of Pavements and Regrading.....	170,000 00	168,439 81	.....	1,535 03	199,500 00	1,850 70	18,581 77	179,067 53
Repairs and Renewal of Pavements and Regrading—Salaries.....	5,000 00	4,995 50	.....	4 50	7,500 00	754 00	1,840 79	4,806 21
Repaving Streets and Avenues.....	340,000 00	318,826 30	15,412 89	5,760 81	342,000 00	.....	325 00	341,675 00
Repaving Streets and Avenues—Salaries.....	10,000 00	9,594 71	.....	405 29	8,000 00	1,577 49	1,712 99	4,709 52
Roads, Streets, and Avenues, Unpaved—Maintenance and Sprinkling.....	30,000 00	29,192 52	.....	584 28	30,000 00	283 20	2,460 03	27,256 57
Salaries—Department of Public Works.....	83,000 00	82,976 06	.....	23 94	92,000 00	21,083 10	23,124 78	45,792 12
Sewers—Repairing and Cleaning.....	114,000 00	113,472 51	32 70	494 79	114,000 00	8,527 80	26,105 11	79,307 19
Sewers—Repairing and Cleaning—Salaries.....	11,000 00	10,998 55	.....	1 45	11,000 00	3,125 00	2,742 67	5,495 86
Sewerage System—Salaries.....	15,000 00	14,999 33	.....	.....	15,000 00	.....	318 93	6,048 45
Stream Heating of the City Hall.....	.....	.....	.....	.....	10,000 00	.....	.....	10,000 00
Stream Rollers for Pavements.....	1,500 00	1,436 50	.....	63 50	11,000 00	.....	11,000 00	.....
Street Improvements—For Surveys, etc.....	103,789 19	102,869 89	791 00	791 00	100,000 00	165 00	228 00	2,607 00
Supplies for and Cleaning Public Offices.....	25,000 00	24,330 40	.....	669 60	25,000 00	4,031 48	8,740 06	12,227 56
Supplies for and Cleaning Public Offices—Salaries.....	10,000 00	9,999 70	.....	24 30	15,000 00	1,768 00	3,893 50	9,338 50
Surveys, Maps, etc., for Street Openings and New Streets.....	10,500 00	10,489 00	.....	11 00	10,500 00	2,799 00	2,741 00	4,960 00
Supplying Water to Shipping, etc.—Salaries.....	100,000 00	97,475 50	.....	2,524 50	178,999 00	200 00	17,713 75	161,045 25
Washington Market—Alterations and Rebuilding.....	.....	.....	.....	.....	1,071 00	.....	.....	759 00
Washington Market—Alterations and Rebuilding—Salaries.....	5,300 00	5,294 76	.....	5 24	13,215 00	1,835 37	1,443 99	9,955 64
Water Supply for the Twenty-fourth Ward.....	.....	.....	.....	.....	765 00	.....	312 00	453 00
Water Supply for the Twenty-fourth Ward—Salaries.....	500 00	238 93	.....	261 07	500 00	.....	.....	500 00
Wells and Pumps—Repairing and Cleaning.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	\$4,594,032 78	\$3,523,953 90	\$33,864 02	\$36,214 86	\$2,794,066 00	\$241,739 36	\$489,516 50	\$2,062,810 14

* A Requisition for \$60.92 was drawn on the Comptroller, and \$33 credited to the account.

NOTE.—Requisitions drawn Second Quarter, 1884, on Liabilities of 1883: Jefferson Market—Alterations and Rebuilding, \$5,428.57; on Laying Croton Pipes, \$1,093.91; on Repaving Streets and Avenues, \$659.70. Total, \$7,112.18.

TITLES OF TRUST ACCOUNTS.	Balances from 1883 and Receipts, First Quarter, 1884.	Receipts, Second Quarter, 1884.	Requisitions drawn First Quarter, 1884.	Requisitions drawn Second Quarter, 1884.	Balance, July 1, 1884.
Croton Water Fund.....	.....	.....	\$307,248 48	\$196,544 28	.....
Street Improvements above Fifty-ninth street.....	.....	.....	10,785 18	66,400 92	.....
Street Improvement Fund.....	.....	.....	131,435 97	223,699 79	.....
Restoring and Repairing—Special Fund—Department of Public Works.....	\$11,903 47	\$9,671 00	1,647 50	4,372 00	\$15,354 98
Water Meter Fund—No. 2.....	10,793 39	6,000 27	7,915 82	7,995 16	892 98

Statement of Bookkeeper, Department of Public Works, showing all Revenues of the City received through the Department, during the First and Second Quarters, 1884.

SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTALS.	SOURCE OF REVENUE.	FIRST QUARTER.	SECOND QUARTER.	TOTAL.
Water rents.....	\$217,104 25	\$606,082 97	\$823,187 22	Redemption and sale of street obstructions.....	\$279 49	\$364 38	\$643 87
Water penalties.....	2,106 40	1,782 60	3,909 00	Sales by auction.....	.....	\$85 70	\$85 70
Pipe tapping.....	1,247 00	3,608 50	4,855 50	Total.....	\$234,742 92	\$635,825 49	\$870,568 41
Sewer permits.....	3,866 16	11,297 53	15,163 69				
Vault permits.....	10,119 62	15,969 97	26,089 59				

MEMORANDUM.—Meter Stock Deposit, \$54.

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

Document "B."

A Statement in Detail of all Expenditures for which Requisitions were drawn on the Department of Finance by the Commissioner of Public Works during the Quarter ending June 30, 1884.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening, for 1884—

Assessment.....	\$847 85
Badges and shields.....	164 02
Brick and cement.....	835 00
Chemicals.....	16 79
Coal.....	2,476 84
Flowers.....	323 50
Lumber.....	181 80
Paint, etc.....	186 97
Oil.....	234 80
Pay-rolls.....	29,934 09
Pipe.....	220 00
Repairing tools.....	419 02
Supplies for office.....	131 78
Taxes.....	225 66
Tools, etc.....	711 98
Ventilators.....	111 15
Wood.....	30 00
Total.....	\$37,052 15

Aqueduct—Repairs, Maintenance and Strengthening, for 1883—

Cement.....	\$15 00
Coal.....	2,331 93
Feed-pump, etc.....	1,492 44
Horse feed.....	110 87
Lumber.....	68 82
Powder.....	62 50
Repairing pump.....	996 01
Repairing stairways.....	357 85
Roof and ventilators.....	382 28
Sand.....	262 50
Supplies.....	11 10
Taxes.....	3,390 30
Traveling expenses.....	190 39
Total.....	\$9,672 59

Boulevard, Roads and Avenues, Maintenance of, for 1884—

Coal.....	\$17 50
Hardware.....	75 36
Horse keeping.....	103 50
Pay-rolls.....	15,315 15
Repairing harness.....	8 25
" sprinklers.....	52 20
Rubber hose.....	112 50
Wagon.....	490 00
Total.....	\$16,174 46

Boulevard, Roads and Avenues, Maintenance of, for 1883—

Paint.....	\$114 11
------------	----------

Contingencies—Department of Public Works, for 1884—

Commission of auctioneer.....	\$36 07
Incidental expenses.....	247 58
Stenographing.....	1,667 20
Traveling expenses.....	102 09
Total.....	\$2,052 94

Contingencies—Department of Public Works, for 1883—

Incidental expenses.....	\$60 92
--------------------------	---------

Flagging Sidewalks and Fencing Vacant Lots in Front of City Property, for 1883—

First avenue, between Twenty-seventh and Twenty-eighth streets.....	\$233 84
---	----------

Free Floating Baths, for 1884—

Mooring baths.....	\$65 00
Painting baths.....	1,435 00
Plumbing.....	574 49
Repairing platforms.....	1,540 64
" roofs.....	183 89
" tanks.....	878 75
Rope.....	207 94
Skiff.....	25 00
Storing baths.....	2,107 50
Towing baths.....	525 00
Traveling expenses.....	30 25
Window shades.....	65 00
Total.....	\$7,734 46

Free Floating Baths, for 1883—

Repairing baths.....	\$534 46
----------------------	----------

Jefferson Market—Alterations and Rebuilding, for 1882—

Architect fees.....	\$501 57
Work on contract.....	4,927 00
Total.....	\$5,428 57

Lamps and Gas and Electric Lighting, for 1884—

Chemicals.....	\$103 07
Gas examinations.....	312 00
Crossheads.....	180 00
Lamps.....	1,561 50
Lamp globes.....	100 00
" irons.....	320 00
" posts.....	1,140 00
Office rent.....	240 00
Pay-rolls.....	296 33
Lighting Brown-stone Building.....	130 35
" City Hall.....	511 95
" County Jail.....	234 15
" Court, Civil, First District.....	1 80
" " " Second ".....	24 15
" " " Fourth ".....	10 80
" " " Fifth ".....	44 10
" " " Sixth ".....	4 80
" " " Eighth ".....	4 05
" " " Ninth ".....	8 10
" " Police, First District.....	254 85
" " " Second ".....	116 55
" " " Third ".....	47 40
" " " Fourth ".....	62 55
" " " Fifth ".....	63 90
" " Special Sessions.....	9 30
" Court-house, Third District.....	186 30
" " New.....	1,924 80
" Department of Public Works.....	367 20
" " Taxes and Assessments.....	13 95
" Engine-house, High Bridge.....	120 14
" " Ninety-eighth street.....	243 45
" Market, Catharine.....	62 40
" " Centre.....	69 90
" " Clinton.....	89 25
" " Essex.....	34 65
" " Fulton.....	930 75
" " Jefferson.....	87 60
" " Tompkins.....	156 30
" " Union.....	3 90
" " Washington.....	237 75
" Office Assessment Commission.....	7 05
" " Corporation Attorney.....	89 85
" " Receiver of Taxes.....	373 95
" Photometrical Rooms.....	44 85
" Rivington Street Yard.....	1 50
" South Gate-house.....	142 87
" Streets, Brush Electric Illuminating Co.....	4,610 90
" " United States.....	5,105 80
" " Central Gas-light Co.....	15,355 54
" " Harlem.....	26,778 49
" " Manhattan.....	28,647 06
" " Metropolitan.....	21,192 07
" " New York.....	15,332 28
" " N. Y. Mutual.....	3,305 82
" " Northern.....	11,422 49
" " Yonkers.....	2,437 50
Total.....	\$145,218 06

Laying Croton Pipes, for 1884—

Laying pipe, Avenue A, between Eightieth and Eighty-third streets.....	\$514 75
" " Marion, Railroad, etc., avenues.....	3,202 80
" " West street, between Battery place and Morris street.....	3,512 29
" " Fifty-ninth street, between Eleventh avenue and North river.....	136 20
" " Sixty-ninth street, between Eleventh and Twelfth avenues.....	271 20
" " Seventy-second street, between First avenue and Avenue A.....	456 15
" " One Hundred and Second street, between Second and Third avenues.....	516 55
" " One Hundred and Fifth street, between First avenue and Avenue A.....	484 00
" " One Hundred and Thirty-fourth street, between Third and Lexington avenues.....	166 75
Pay-rolls.....	3,382 50
Stop-cocks and hydrants.....	1,361 79
Traveling expenses.....	91 14
Water-pipe.....	4,832 45
Total.....	\$18,928 57

Laying Croton Pipes, for 1883—

Laying pipe, Cypress avenue, One Hundred and Forty-ninth street and Railroad avenue.....	\$240 20
" " Madison avenue, between Eighty-sixth and Eighty-eighth streets.....	991 45
" " Ninth avenue, between One Hundred and Sixth and One Hundred and Eighth streets.....	262 55
" " Thirty-sixth street, between Eleventh avenue and Hudson river.....	464 40
" " Eightieth street, between Fourth and Madison avenues.....	257 90
" " Eighty-third street, between Boulevard and Riverside Drive.....	313 35
" " One Hundred and Fifty-third street, between Morris and Railroad avenues.....	161 60
" " Boulevard, between Berrien and Decatur avenues.....	530 75
Total.....	\$3,740 20

Laying Croton Pipes, for 1882—

Laying pipe in Twenty-second, Fifteenth, Twenty-third and Beaver streets.....	\$1,023 91
---	------------

Public Buildings—Construction and Repairs, for 1884—

Armory, Ninth Regiment.....	\$68 75
" " Eleventh Regiment.....	2 53
Brown Stone Building.....	487 59
Bureau Repairs and Supplies.....	276 22
City Hall.....	616 63

Public Buildings—Construction and Repairs, for 1884—

City Prison	\$65 39
County Jail	96 17
Court, Civil, First District	63 13
" " Fifth	121 43
" " Eighth	121 93
" " Ninth	25 30
" " Tenth	64 32
Police, First	50 72
" Second	25 95
" Third	40 50
" Fifth	42 55
" Sixth	38 00
Court-house, Third	275 80
Seventh	271 18
Tenth	62 32
New	1,221 57
Dog Pound	300 36
Hall of Records	21 22
Market, Centre	48 05
Clinton	677 71
Essex	197 27
Fulton	5,937 82
Jefferson	406 35
Washington	746 75
No. 31 Chambers street	831 65
No. 5 Duane street	16 92
No. 134 West Thirtieth street	26 06
No. 245 East Eighty-third street	25 75
No. 1152 Third avenue	47 40
Pay-rolls	571 00
Total	\$13,892 29

Public Buildings—Construction and Repairs, for 1883—

Armory, Ninth Regiment	\$59 43
Market, Washington	305 73
No. 31 Chambers street	114 25
Total	\$479 41

Public Drinking-hydrants, for 1884—

Superintendence	\$78 00
Traveling expenses	6 90
Total	\$84 90

Removing Obstructions in Streets and Avenues, for 1884—

Traveling expenses	\$49 80
Trucking and labor	807 85
Total	\$857 65

Repairing and Renewal of Pipes, Stop-cocks, etc., for 1884—

Badges	\$137 50
Coke	52 50
Hemp	80 16
Horse hire	270 00
Hydrant boxes	938 88
Meter glasses, etc.	167 43
Packing	222 24
Pay-rolls	37,956 59
Repairing damage	43 00
hydrants	714 63
Steel and iron	169 86
Stop-cocks, etc.	2,166 64
Stop-cock boxes and covers	120 00
Supplies	42 00
Tapping cocks and boxes	1,208 97
Tools	110 00
Traveling expenses	25 53
Wooden plugs	332 50
Total	\$44,758 43

Repairing and Renewal of Pipes, Stop-cocks, etc., for 1883—

Laying pipe	\$970 12
Resetting meters	466 55
Wood	100 00
Total	\$1,536 67

Repairs and Renewal of Pavements and Regrading, for 1884—

Horsekeeping	\$97 50
Repairing pavements	951 00
tools	134 55
Sand	750 00
Tools and supplies	243 70
Pay-rolls	16,405 02
Total	\$18,581 77

Repairs and Renewal of Pavements and Regrading, for 1883—

Repairing pavement	\$341 28
wagon	100 00
Sand	693 75
Total	\$1,135 03

Repaving Streets and Avenues, for 1884—

Brown mare	\$325 00
------------	----------

Repaving Streets and Avenues, for 1883—

University place, between Fourth street and Waverley place	\$116 11
Avenue A, between Fourteenth and Twenty-third streets	822 24
Tenth avenue, between Fourteenth and Twenty-second streets	1,262 88
Eleventh avenue, between Thirty-fifth and Forty-second streets	1,095 88
Allen street, between Grand and Houston streets	493 52
Cherry street, between Frankfort and Catharine streets	266 90
Christie street, between Grand and Houston streets	507 21
East street, between Grand and Rivington streets	349 42
Henry street, between Grand and Oliver streets	1,475 72
James street, between Chatham and Cherry streets	223 65
Jane street, between Hudson street and Thirteenth avenue	275 71
King street, between Hudson street and Thirteenth avenue	773 09
Morton street, between Bleeker and West streets	613 41
Mulberry street, between Canal and Spring streets	477 02
Norfolk street, between Division and Houston streets	722 02
Oliver street, between Chatham and South streets	351 37
Prince street, between Macdougal street and Broadway	437 79
Sheriff street, between Grand and Delancey streets	188 95
Watts street, between Sullivan and Hudson streets	298 23
Eleventh and Manhattan streets	706 87
Eleventh street, between West street and Thirteenth avenue	139 49
Twelfth street, between Fourth street and Thirteenth avenue	592 58
Thirteenth street, between Greenwich and Sixth avenues	474 57
Seventeenth street, between Eighth and Thirteenth avenues	846 28
Eighteenth street, between Irving place and Third avenue	142 30

Repaving Streets and Avenues, for 1883—

Twenty-seventh street, between Eighth and Ninth avenues	\$269 20
Twenty-ninth street, between Tenth and Eleventh avenues	269 66
Thirty-fifth street, between Seventh and Eighth avenues	269 32
Thirty-fifth street, between Tenth and Eleventh avenues	270 80
Thirty-seventh street, between Madison and Park avenues	139 14
Thirty-ninth street, between Ninth and Tenth avenues	270 43
Forty-first street, between Tenth and Eleventh avenues	269 13
Total	\$15,412 89

Repaving Streets and Avenues, for 1882—

Eleventh avenue, between Forty-second and Forty-sixth streets	\$659 70
---	----------

Roads, Streets, and Avenues, Unpaved—Maintenance and Sprinkling, for 1884—

Horse-hire	\$270 00
Pay-rolls	4,778 23
Repairing tools	33 20
Total	\$5,081 43

Sewers—Repairing and Cleaning, for 1884—

Cleaning and repairing sewers	\$8,119 97
Horse	300 00
Horse-hire	237 00
Horse keeping	63 16
Lumber	1,594 08
Manhole covers	14,904 12
Pay-rolls	48 00
Pipe and coupling	45 90
Supplies	315 62
Tools	418 26
Traveling expenses	20 00
Wood	20 00
Total	\$26,165 11

Sewers—Repairing and Cleaning, for 1883—

Repairing sewer	\$17 70
Sand	15 00
Total	\$32 70

Street Rollers for Pavements, for 1884—

Steam rollers	\$11,000 00
---------------	-------------

Street Improvements—For Surveying, Monumenting, and Numbering Streets, for 1884—

Pay-rolls	\$228 00
-----------	----------

Supplies for and Cleaning Public Offices, for 1884—

Armory, Eleventh Regiment	\$30 00
Brown Stone Building	275 16
Bureau Repairs and Supplies	5,966 78
City Hall	395 49
Court, Civil, First District	17 19
" " Second	23 00
" " Fourth	200 00
" " Fifth	29 92
" " Sixth	244 48
" " Seventh	240 10
" " Eighth	442 49
" " Ninth	103 00
Police, First	43 49
" Second	377 49
" Third	21 00
" Fifth	274 85
" Sixth	109 03
Common Pleas	110 22
Special Sessions	94 60
Superior	962 18
Supreme	80 00
Surrogate's	57 00
Court-house, New	290 10
Third District	159 06
Department of Finance	400 14
Public Works	383 70
Office—Assessment Commission	27 44
Corporation Counsel	63 00
County Clerk	34 05
District Attorney	624 79
Public Administrator	10 37
Pay-rolls	17,540 00
Rivington Street Yard	25 87
Total	\$29,662 08

Supplies for and Cleaning Public Offices, for 1883—

Armory, Seventh Regiment	\$82 50
Sixty-ninth Regiment	26 25
Brown Stone Building	110 00
Court, Civil, Second District	11 50
Police, First District	11 50
" Fifth District	68 50
Court-house, New	404 75
Office Corporation Counsel	6 00
Total	\$721 00

Surveys, Maps, etc., for Street Openings and New Streets, for 1884—

Pay-rolls	\$3,893 50
-----------	------------

Washington Market—Alterations and Rebuilding, for 1884—

Architect fees	\$4,213 75
Work on contract	13,500 00
Total	\$17,713 74

Water Supply for the Twenty-fourth Ward, for 1884—

Supplying water	\$1,443 99
-----------------	------------

RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance, etc.	\$37,052 15
Aqueduct—Repairs, Maintenance, etc.—Salaries	7,173 49
Aqueduct—Repairs, Maintenance, etc., for 1883	9,072 59
Boulevard, Roads, etc.—Maintenance, etc.	16,174 46
Boulevard, Roads, etc.—Maintenance, etc.—Salaries	375 00
Boulevard, Roads, etc.—Maintenance, etc., for 1883	114 11
Contingencies—Department of Public Works	2,052 94
Contingencies—Department of Public Works, for 1883	60 92
Flagging Sidewalks and Fencing Vacant Lots, for 1883	233 84
Free Floating Baths	7,734 46
Free Floating Baths—Salaries	5,043 50
Free Floating Baths, for 1883	534 46
Jefferson Market—Alterations and Rebuilding, for 1882	5,428 57
Lamps and Gas and Electric Lighting	145,218 06
Lamps and Gas and Electric Lighting—Salaries	1,518 00

Laying Croton Pipes.....	\$18,928 57
Laying Croton Pipes—Salaries.....	4,018 58
Laying Croton Pipes, for 1883.....	3,740 20
Laying Croton Pipes, for 1882.....	1,023 01
Public Buildings—Construction and Repairs.....	13,892 29
Public Buildings—Construction and Repairs, for 1883.....	470 41
Public Drinking Hydrants.....	84 90
Public Drinking Hydrants—Salaries.....	231 00
Removing Obstructions in Streets and Avenues.....	857 05
Removing Obstructions in Streets and Avenues—Salaries.....	999 50
Repairing and Renewal of Pipes, Stop-cocks, etc.....	44,758 43
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	22,547 77
Repairing and Renewal of Pipes, Stop-cocks, etc., for 1883.....	1,536 07
Repairs and Renewal of Pavements, etc.....	18,581 77
Repairs and Renewal of Pavements, etc.—Salaries.....	1,849 79
Repairs and Renewal of Pavements, etc., for 1883.....	1,135 03
Repaving Streets and Avenues.....	325 00
Repaving Streets and Avenues—Salaries.....	1,112 99
Repaving Streets and Avenues, for 1883.....	15,412 89
Repaving Streets and Avenues, for 1882.....	659 70
Roads, Streets and Avenues, Unpaved—Maintenance, etc.....	5,081 43
Roads, Streets and Avenues, Unpaved—Maintenance, etc., for 1883.....	223 20
Salaries—Department of Public Works.....	23,124 78
Sewerage System—Salaries.....	5,224 93
Sewers—Repairing and Cleaning.....	26,105 11
Sewers—Repairing and Cleaning—Salaries.....	2,742 67
Sewers—Repairing and Cleaning, for 1883.....	32 70
Steam Rollers for Pavements.....	11,300 00
Street Improvements—For Surveying, etc.....	228 00
Supplies for and Cleaning Public Offices.....	29,662 08
Supplies for and Cleaning Public Offices—Salaries.....	8,740 06
Supplies for and Cleaning Public Offices, for 1883.....	721 00
Surveys, Maps, etc., for Street Openings, etc.....	3,893 50
Supplying Water to Shipping, etc.—Salaries.....	2,741 00
Washington Market—Alterations and Rebuilding.....	17,713 75
Washington Market—Alterations and Rebuilding—Salaries.....	312 00
Water Supply for the Twenty-fourth Ward.....	1,443 99
Water Supply for the Twenty-fourth Ward—Salaries.....	312 00
Total.....	\$530,525 70

TRUST ACCOUNTS.

CROTON WATER FUND.

Carpenter work.....	\$140 73
Coal and horse feed.....	498 14
Drawing implements.....	757 11
Horse hire.....	105 00
Instruments.....	3,507 05
Laying pipe.....	90,821 90
Lumber.....	816 52
Pay-rolls.....	63,597 45
Printing and binding evidence.....	799 90
Professional services.....	9,212 55
Rent of mill seat.....	300 00
Rent of office.....	227 50
Repairing damages.....	51 00
Repairing drill.....	333 97
Reservoir—Bronx river.....	13,692 60
Reservoir—Rye ponds.....	2,883 46
Stenographing.....	343 05
Supplies for drill.....	7,132 13
Supplies for office.....	213 82
Traveling expenses.....	801 11
Type writer.....	110 00
Wood.....	210 00
Total.....	\$196,544 28

RESTORING AND REPAVING.

Pay-rolls.....	\$1,224 00
Restoring pavement, etc.....	3,348 00
Total.....	\$4,572 00

STREET IMPROVEMENT FUND.

Filling—	
Between One Hundred and Forty-third and One Hundred and Fifty-fifth streets, and Eighth and Ninth avenues.....	\$26,377 96
Flagging—	
Third avenue, between Ninety-third and One Hundred and First streets.....	\$309 65
Ninth avenue, between Sixty-fourth and Seventy-first streets.....	349 25
Eleventh avenue, between Fifty-eighth and Fifty-ninth streets.....	996 32
Total.....	\$1,655 22

Paving—	
Fourth avenue, between One Hundred and Sixteenth and One Hundred and Twenty-fourth streets.....	\$1,545 32
Fourth avenue, between One Hundred and Twenty-fourth and One Hundred and Thirty-third streets.....	1,153 00
Eighth avenue, between One Hundred and Twenty-fourth and One Hundred and Forty-fifth streets.....	12,446 00
Tenth avenue, between One Hundred and Thirtieth and Manhattan streets.....	589 50
Thirty-fifth street, between First avenue and three hundred and forty feet east.....	111 78
Forty-third street, between Second and Third avenues.....	208 70
Sixty-first street, between Tenth and Eleventh avenues.....	273 76
Sixty-eighth street, between Avenue A and ninety-six feet east.....	44 09
Seventieth street, between First and Second avenues.....	225 00
Seventieth street, between Ninth avenue and Boulevard.....	211 00
Seventy-first street, between Second avenue and Avenue A.....	433 80
Seventy-eighth street, between Ninth avenue and Boulevard.....	440 20
Eighty-first street, between Ninth avenue and Boulevard.....	442 30
Eighty-second street, between Ninth avenue and Boulevard.....	470 10
Eighty-seventh street, between First and Second avenues.....	220 80
Ninety-seventh street, between First and Second avenues.....	224 20
Ninety-seventh street, between Second and Third avenues.....	210 50
One Hundred and Second street, between First and Third avenues.....	432 10
One Hundred and Sixth street, between Fourth and Lexington avenues.....	275 30
One Hundred and Ninth street, between First and Second avenues.....	221 60
One Hundred and Eleventh street, between First avenue and Avenue A.....	209 50
One Hundred and Eleventh street, between Fourth and Madison avenues.....	136 75
One Hundred and Nineteenth street, between Fourth and Sixth avenues.....	621 30
One Hundred and Twentieth street, between Third and Sixth avenues.....	732 20
One Hundred and Twenty-first street, between Fourth and Madison avenues.....	137 24
One Hundred and Twenty-third street, between Second and Third avenues.....	206 68
One Hundred and Twenty-fourth street, between Eighth and St. Nicholas avenues.....	115 95
One Hundred and Twenty-seventh street, between Seventh and Eighth avenues.....	208 60
One Hundred and Twenty-eighth street, between Seventh and Eighth avenues.....	267 60
One Hundred and Twenty-ninth street, between Twelfth avenue and Boulevard.....	195 91
One Hundred and Thirtieth street, between Third and Fourth avenues.....	273 30
One Hundred and Thirty-third street, between Broadway and Boulevard.....	44 10
Total.....	\$23,394 18

Receiving-basins—	
Lexington avenue, corner One Hundred and Twenty-first street.....	\$7 80
Lexington avenue, corner One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets.....	14 70

Receiving-basins—	
Lexington avenue, corner One Hundred and Sixteenth, One Hundred and Seventeenth, One Hundred and Eighteenth, One Hundred and Twentieth, and One Hundred and Twenty-second streets.....	\$66 60
Fourth avenue, corner One Hundred and Fourth street.....	3 60
Seventh avenue, corner Forty-eighth street.....	4 65
Fourteenth street, corner Avenue A, etc.....	611 20
Frankfort street, corner Cliff street.....	358 80
Total.....	\$1,067 35

Regulating, Grading, etc.—

Fourth avenue, between One Hundred and Thirty-third and One Hundred and Thirty-fifth streets.....	\$123 66
Fifty-third street, between Tenth and Eleventh avenues.....	2,282 00
Sixty-fourth street, between First avenue and East river.....	1,193 50
Sixty-seventh street, between Third avenue and Avenue A.....	6,920 53
Eighty-fifth street, between Ninth and Tenth avenues.....	1,690 75
Eighty-fifth street, between Tenth avenue and Riverside Drive.....	1,871 62
Ninety-ninth street, between Fourth and Fifth avenues.....	4,006 75
One Hundredth street, between Third and Fourth avenues.....	2,491 05
One Hundred and First street, between Fourth and Fifth avenues.....	3,412 97
One Hundred and First street, between Third and Fourth avenues.....	2,170 00
One Hundred and Third street, between Tenth avenue and Riverside Drive.....	1,050 00
One Hundred and Eleventh street, between Sixth and Eighth avenues.....	10,225 10
One Hundred and Twelfth street, between Sixth and Madison avenues.....	1,205 92
One Hundred and Seventeenth street, between Fourth and Fifth avenues.....	2,100 00
One Hundred and Eighteenth street, between Fourth and Sixth avenues.....	1,127 00
One Hundred and Thirty-seventh street, between Fifth and Seventh avenues.....	4,862 00
One Hundred and Thirty-eighth street, between Sixth and Eighth avenues.....	7,984 51
One Hundred and Forty-first street, between Tenth and St. Nicholas avenues.....	1,064 00
One Hundred and Fifty-third street, between Seventh and New avenues.....	4,340 16
One Hundred and Fifty-third street, between Eleventh and St. Nicholas avenues.....	3,007 20
One Hundred and Fifty-seventh street, between Tenth avenue and Boulevard.....	525 60
One Hundred and Sixty-fifth street, between Tenth and Eleventh avenues.....	1,050 00
One Hundred and Seventy-fifth street, between Tenth avenue and Kingsbridge road.....	4,137 38
Total.....	\$82,715 70

Sewers—

Broadway, between Thirty-second and Thirty-third streets.....	\$63 30
Madison avenue, between Fifty-seventh and Fifty-ninth streets.....	6,771 10
New avenue, between One Hundredth and One Hundred and Fourth streets.....	4,070 94
Riverside avenue, between Seventy-sixth and Ninety-second streets.....	1,275 00
West End avenue, between Sixty-fifth and Sixty-sixth streets.....	1,052 40
West End avenue, between Seventy-sixth and Eighty-ninth streets.....	6,177 89
West End avenue, between Ninety-sixth and One Hundred and Fifth streets.....	6,848 80
First avenue, between Thirtieth and Fourteenth streets.....	66 60
Eighty-fourth street, between One Hundred and Forty-seventh and One Hundred and Forty-ninth streets.....	3,499 93
Ninth avenue, between Eighty-first and Eighty-third streets.....	2,170 00
Ninth avenue, between Eighty-sixth and Ninety-second streets.....	1,051 47
Tenth avenue, between Twenty-fourth and Twenty-fifth streets.....	36 00
Tenth avenue, between One Hundred and Fourteenth and One Hundred and Sixteenth streets.....	194 70
Eleventh avenue, between One Hundred and Fifty-seventh and One Hundred and Fifty-ninth streets.....	4,373 25
Seventh street, between Avenues C and D.....	331 00
Fifty-sixth street, between Fifth and Sixth avenues.....	195 90
Seventy-seventh street, between Ninth avenue and summit west.....	120 30
Ninetyth street, between Eighth and Ninth avenues.....	498 90
Ninety-first street, between Fifth and Madison avenues.....	122 10
One Hundred and First street, between Fourth and Fifth avenues.....	1,072 23
One Hundred and Fourteenth street, between Seventh and Eighth avenues.....	203 70
One Hundred and Twenty-fifth street, between Tenth avenue and Boulevard.....	238 80
One Hundred and Twenty-seventh street, between Eighth and St. Nicholas avenues.....	72 30
One Hundred and Twenty-eighth street, between Eighth and St. Nicholas avenues.....	894 44
One Hundred and Thirty-fifth street, between Fifth and Seventh avenues.....	653 40
One Hundred and Forty-sixth street, between Tenth avenue and Boulevard.....	5,939 50
One Hundred and Forty-seventh street, between Eighth and New avenues.....	23 85
One Hundred and Fifty-eighth street, at Hudson river.....	1,986 47
Bank street, between Washington street and Hudson river.....	294 50
Bethune street, between Washington street and Hudson river.....	4,955 05
Front street, between Jackson street and Gouverneur Slip.....	240 30
Front street, between Broad and Whitehall streets.....	2,117 55
Washington street, between Vestry and Desbrosses streets.....	53 40
Total.....	\$57,302 27

Pay-roll, Engineers—Sewers.....	\$9,961 36
Pay-roll, Inspectors—Paving.....	\$171 50
Pay-roll, Inspectors—Regulating, grading, etc.....	\$7,800 00
Pay-roll, Inspectors—Sewers.....	\$5,592 00

City Surveyors' Fees.....	\$7,762 25
---------------------------	------------

STREET IMPROVEMENTS ABOVE FIFTY-NINTH STREET.

Morningside Avenue, East—	
Pay-rolls.....	\$944 95
Regulating, grading, etc.....	14,333 34
Total.....	\$15,278 29
Morningside Avenue, West—	
Pay-rolls.....	\$606 05
Eleventh Avenue, between One Hundred and Fifty-fifth Street and Kingsbridge Road—	
Regulating, grading, etc.....	\$50,522 58

WATER-METER FUND, No. 2.

Furnishing water-meters.....	\$4,822 50
Setting water-meters.....	3,072 66
Total.....	\$7,895 16

RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund.....	\$196,544 28
Restoring and Repaving.....	4,572 00
Street Improvement Fund—	
Filling.....	\$26,377 96
Flagging.....	1,655 22
Paving.....	23,394 18
Receiving-basins.....	1,067 35
Regulating, grading, etc.....	82,715 70
Sewers.....	57,302 27
Pay-rolls, Engineers Sewers.....	9,961 36
“ Inspectors Paving.....	171 50
“ Inspectors Regulating, Grading, etc.....	7,800 00
“ Inspectors Sewers.....	5,592 00
Surveyor's Fees.....	7,662 25
Total.....	223,699 79

Document "D."

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF CHIEF ENGINEER, 31 CHAMBERS STREET, ROOM 10,
NEW YORK, July 24, 1884.

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

SIR—I beg to submit herewith the following report of the transactions of this Bureau for the quarter ending June 30, 1884:

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening.....	\$44,397 51
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	7,173 49
Croton Water Fund.....	196,661 39
Contingencies—Department of Public Works.....	60 00
Laying Croton Pipes.....	23,662 68
Laying Croton Pipes—Salaries.....	4,018 58
Repairing and Renewal of Pipes and Stop-cocks.....	8,345 51
Repairing and Renewal of Pipes and Stop-cocks—Salaries.....	18,095 32
Supplying Water to Shipping and Building.....	2,741 00
Water Supply for Twenty-fourth Ward.....	1,443 99
Water Supply for Twenty-fourth Ward—Salaries.....	312 00
Water Meter Fund, No. 2.....	8,977 92

Total..... \$315,889 39

STORAGE RESERVOIRS.

The Croton river furnished a full supply for the aqueduct during the quarter, except between June 8 and June 26, when water was drawn from storage as follows:

	Gallons.
Boyd's Corners Reservoir.....	230,000,000
Middle Branch Reservoir.....	130,000,000
Kirk Lake.....	160,000,000

Total drawn..... 520,000,000

A slight leak has been found through the old bank at Kirk Lake, which will have to be repaired in the Fall.

RAIN-FALL.

	APRIL.	MAY.	JUNE.	TOTAL INCHES.
Boyd's Corners Reservoir.....	2.96	4.33	2.04	9.33
Middle Branch Reservoir.....	2.73	3.70	2.54	8.97
Kensico Reservoir.....	3.12	3.63	5.09	11.84
Croton Dam.....	3.06	3.92	3.30	10.28
Central Park Reservoir.....	2.39	3.36	5.39	11.14

BRONX RIVER SUPPLY.

The Commissioners appointed to appraise the damages to the owners along the Bronx river, between Kensico and White Plains, have adjourned so as to see what will be the apparent change in the flow of the river after the water is shut off at the Kensico Dam.

The Commissioners appointed to appraise damages between White Plains and Bronxville have been appointed.

The water flowing through Kensico Dam was shut off on June 1, and the flow of the river is now carried through the 48-inch conduit and emptied into the Bronx river at Scarsdale.

The contract for Williamsbridge Reservoir was entered into June 6, 1884, and the work has been commenced.

WORK DONE ON BRONX RIVER WATER SUPPLY FOR QUARTER ENDING JUNE 30, 1884.

	James Baird, Woodlawn to Jerome avenue.	T. E. Crimmins, Hartdale to Luckabate.	G. W. Flower, Kensico Reservoir.	L. P. Hendrick, Rye Pond Reservoir.	Totals.
Rock excavation, cubic yards.....	1,711	3,698	.....	15	5,424
Earth excavation, ".....	4,300	2,653	.....	310	7,263
Embankment, ".....	17,800	12,659	27,120	.....	57,579
Straight pipe, tons.....	1,005	232	.....	.....	1,237
Special castings, tons.....	17	1	.....	.....	18
48-inch pipe laid, lineal feet.....	2,100	1,500	.....	.....	3,600
36-inch pipe laid, ".....	4,049	.....	.....	.....	4,049
12-inch pipe laid, ".....	140	17	.....	.....	157
6-inch pipe laid, ".....	.....	.....	.....	.....	.....
White pine and hemlock, feet, B. M.....	31,000	.....	.....	.....	31,000
Cut stone masonry, cubic yards.....	.....	4	219	.....	223
Coursed stone masonry, cubic yards.....	12	.....	.....	.....	12
Stone masonry, cubic yards.....	100	183	1,887	312	2,482
Brick masonry, ".....	15	42	.....	.....	57
Concrete masonry, ".....	39	.....	.....	.....	39
Dry stone-wall, ".....	1,860	1,173	430	374	3,837
Fence wall, lineal feet.....	.....	.....	630	135	765

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING, FOR QUARTER ENDING JUNE 30, 1884.

First Division—Regular maintenance, cutting grass, etc.
Second Division—Regular maintenance, cutting grass, etc.; rebuilding 500 feet of fence.
Third Division—Regular maintenance, cutting grass, etc.; 200 cubic yards dry stone wall; 200 cubic yards stone quarried; 1,230 cubic yards earth excavation; 25 cubic yards concrete; 10 cubic yards stone masonry.
Fourth Division—Regular maintenance, cutting grass, etc.; 1,400 lineal feet of fence built; 55 cubic yards dry stone wall; 2,550 cubic yards earth excavation; 2 cubic yards brick masonry; 160 lineal feet 20-inch pipe laid.
Fifth Division—Regular maintenance, cutting grass, etc.; 1,470 cubic yards earth excavation; 100 cubic yards rock excavation; 2 cubic yards stone masonry; 290 cubic yards dry stone masonry; 16 cubic yards brick; 7 cubic yards concrete; 1,320 lineal feet fence built; 400 square yards sodding.
Sixth Division—Regular maintenance, cutting grass, etc.; 360 cubic yards dry stone wall; 610 cubic yards stone quarried; 1,200 cubic yards earth excavated.
Seventh Division—Regular maintenance, cutting grass, etc.; 30 cubic yards stone cut; 20 cubic yards cut stone wall.
Eighth Division—Regular maintenance and care of reservoirs, gate-houses, etc.; resurfacing walks large reservoir, Central Park.

LAYING CROTON PIPES.

Contracts for laying mains in Sixty-seventh street, between Tenth and Twelfth avenues; in Fifty-seventh street, between Eleventh avenue and North river; in Avenue A, east side, between Eightieth and Eighty-third streets; in Sixty-third street, between Avenue A and East river; in Eightieth street, between Avenues A and B; in Sixty-ninth street, between Eleventh and Twelfth avenues; in Lexington avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets; in One Hundred and Sixth street, between Third and Lexington avenues; in One Hundred and Thirty-fifth street, between Fifth and Sixth avenues; in Thirty-second street, between First avenue and East river, have been completed.
One contract for laying pipe and one contract for furnishing stop-cocks, hydrants, and stop-cock boxes, have been entered into during the quarter.

Amount of Pipe Laid during the quarter.

12-inch pipe.....	6,781 lineal feet.
6-inch ".....	19,055 "

Total lineal feet..... 25,836 lineal feet.

34 stop-cocks set and 50 hydrants placed.

METERS.

Number of meters placed during the quarter.....	516
Number of meters in use March 31, 1884.....	9,602

Total number in use..... 10,118

SHIPPING AND BUILDING.

During the quarter there have been issued:	
5 permits for engines on wharves, amounting to.....	\$403 50
198 permits for building purposes, amounting to.....	8,254 00
172 permits for shipping, amounting to.....	6,486 84
Measured by meters, amounting to.....	24,160 70

Total..... \$39,305 04

EXAMINATIONS OF SEWERS FOR WASTE OF WATER IN HOUSES, BETWEEN TWELVE O'CLOCK

MIDNIGHT AND SIX O'CLOCK A. M., FOR QUARTER ENDING JUNE 30, 1884.	
Number of house drains examined.....	2,735
Number of dry drains examined.....	2,422
Number where waste was less than 1 gallon per minute.....	133
Number where waste was from 1 to 5 gallons per minute.....	179
Number where waste was over 5 gallons per minute.....	1
Number where waste was 6 gallons per minute.....	1

The rest of the Inspectors have been examining houses on business streets preparatory to placing meters.

Very respectfully submitted,
ISAAC NEWTON, Chief Engineer.

Document "E."

DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, 31 CHAMBERS STREET, ROOM 1,
NEW YORK, July 10, 1884.

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

SIR—In compliance with your instructions I submit the following report of the transactions of this Bureau during the quarter ending June 30, 1884:

REPAIRS AND RENEWAL OF PAVEMENTS.

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

In April, 38 men and 5 carts.
In May, 59 men and 9 carts.
In June, 304 men and 76 carts.

The repair gangs commenced work on the 2d of June, and have been steadily employed in making general repairs in various streets.

27 permits were issued to citizens to repair pavements at their own expense.

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

The repaving of the following streets is in progress, viz.:

Bond street, from Bowery to Broadway.
Thirty-ninth street, from Broadway to Sixth avenue.

NEW PAVEMENTS UNDER ASSESSMENT.

The paving of Eighth avenue, from One Hundred and Twenty-fifth to One Hundred and Forty-fifth street is in progress. About 15,000 square yards have been laid.

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

The average force employed in repairing and renewal of pipes, stop-cocks, etc., during the quarter, was as follows:

In April, 75 men and 8 carts.
In May, 75 men and 8 carts.
In June, 83 men and 9 carts.
328 defects in pipes and stop-cocks were repaired.
155 taps were shut off on account of leaks in service pipes.
997 fire-hydrants were repaired.
100 new fire-hydrants were substituted for old ones.
1 new fire-hydrant was placed.
532 defects in pavements were repaired.

PUBLIC DRINKING-HYDRANTS.

64 drinking-hydrants were repaired.
1 new drinking-hydrant was placed.

VAULTS.

62 permits were issued for the construction of vaults.
The amount received for the same was \$15,969.97.

32 permits were issued to repair vaults.

Vouchers were transmitted during the quarter and charged to the following accounts, viz.:

Public Drinking Hydrants.....	\$90 35
Public Drinking Hydrants—Salaries.....	231 00
Repaving Streets and Avenues.....	325 00
Repaving Streets and Avenues—Salaries.....	1,712 99
Repairs and Renewal of Pavements, etc.....	30,932 63
Repairs and Renewal of Pavements, etc.—Salaries.....	1,472 79
Repairing and Renewal of Pipes, Stop-cocks, etc.....	16,781 71
Steam Rollers for Pavements.....	11,000 00
Contingencies—Department of Public Works.....	77 39
Street Improvement Fund.....	23,768 23

Total..... \$86,392 09

Respectfully yours,
D. LOWBER SMITH, Water Purveyor.

Document "F."

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS,
31 CHAMBERS STREET, ROOM 9,
NEW YORK, July 22, 1884.

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

SIR—I beg leave to hand you herewith a report of the transactions of this office for the quarter ending June 30, 1884.

Respectfully,
STEVENSON 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, 1884.

Credits to General Fund—
Amount received for 344 permits for sewer connections..... \$7,431 37

Engineers' Fees—
Amount of Engineers' and Surveyors' fees assessed on property benefited, charged on assessment lists and credited to Street Improvement Fund..... \$2,422 98

Sewers—Repairing and Cleaning—
Balance on hand March 31, 1884..... \$101,858 36
Vouchers transmitted to the Commissioner of Public Works—
Pay-rolls of Laborers, etc..... \$11,290 37
Special repairs..... 8,362 72
Transportation expenses..... 418 26
Sundries, materials, etc..... 2,617 51
Balance on hand June 30, 1884..... 79,169 50
Total..... 101,858 36

Salaries—Sewers—Repairing and Cleaning—
Balance on hand March 31, 1884..... \$8,238 53
Vouchers transmitted to the Commissioner of Public Works—
Pay-rolls of Inspectors, etc..... \$2,742 67
Balance on hand June 30, 1884..... 5,495 86
Total..... 8,238 53

Salaries—Sewerage System—		
Balance on hand, March 31, 1884.	\$10,364 78	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-rolls of Engineers, etc.	\$3,716 33	
Balance on hand June 30, 1884.	6,648 45	10,364 78
Surveys, Maps, etc., for Street Openings, etc.—		
Balance on hand, March 31, 1884.	\$12,192 63	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-rolls of Draftsmen, etc.	\$2,854 13	
Balance on hand June 30, 1884.	9,338 50	12,192 63
Restoring and Repaving—Special Fund—		
Amount received for 534 permits for street openings.	\$6,368 00	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-rolls of Inspectors, etc.	918 00	
Repaving, etc.	6,721 50	
Street Improvement Fund—		
Vouchers transmitted to the Commissioner of Public Works.	\$72,289 06	
Pay-rolls of Engineers, etc.	\$7,787 08	
Pay-rolls of Inspectors on Sewers.	4,252 00	
On contracts for sewers, etc.	60,249 98	72,289 06

Work done by Mechanics and Laborers—Charles H. Babcock, General Inspector of Sewer Repairs and Cleaning—	
634 receiving-basins and culverts cleaned.	
19,781 lineal feet of sewer cleaned.	
449 lineal feet of sewer rebuilt.	
64 lineal feet of culvert rebuilt.	
424 lineal feet of sewer repaired.	
159 lineal feet of spur-pipe laid.	
12 lineal feet of drain repaired.	
50 receiving-basins repaired.	
20 basin-heads reset.	
10 new basin covers put on.	
7 new manholes built.	
123 manholes repaired.	
24 new manhole heads and covers put on.	
101 manhole heads reset.	
25 new manhole covers put on.	
2 new bulkheads built.	
4 new road boxes put on.	
2 new road box covers put on.	
906 square yards of pavement relaid.	
230 square yards of flagging relaid.	
2,241 cubic yards of earth excavated and refilled.	
55 cart-loads of earth filled in.	
2,192 cart-loads of dirt removed.	
Work done by Contract—	
6,852 lineal feet of sewer built.	
354 lineal feet of culvert built.	
69 lineal feet of house connections built.	
12 receiving-basins built, and	
5,000 lineal feet of piles furnished and driven.	
Making the present total length of sewerage in the city—including 48,569 lineal feet of sewer, 3,086 lineal feet of culvert, and 100 receiving-basins built by the Department by days' work, and not heretofore included in reports from this office—2,164,219 lineal feet of sewer (409.89 miles) with 4,997 receiving-basins.	

Document "G."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREET IMPROVEMENTS, ROOM 5, NO. 31 CHAMBERS ST.,
NEW YORK, July 1, 1884.

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

SIR—In compliance with your instructions I hand you herewith a report of the transactions of this bureau for the quarter ending June 30, 1884.

Respectfully,

GEO. A. JEREMIAH, Superintendent Street Improvements.

Statement showing Works under Contract in Bureau of Street Improvements on the 30th day of June, 1884.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, Grading, Curb, Gutter and Flagging—									
Morningside avenue, One Hundred and Tenth street to Tenth avenue.	J. W. O'Grady.	Peter J. Moran.	James McCarthy.	350 days.	\$60,599 10	\$117,856 82	\$35,357 02	\$82,499 80	
Morningside avenue, East, and One Hundred and Twenty-third street.	L. W. Johnson.	Peter J. Moran.	R. H. Birmingham.	425 "	57,611 54	20,476 20	6,142 86	14,333 34	
Madison avenue, One Hundred and Thirty-fifth street to One Hundred and Thirty-seventh street.	P. Farley.	W. V. Smith.	W. F. Gannon.	150 "	6,031 40				
St. Nicholas place, One Hundred and Fiftieth street to St. Nicholas avenue.	D. W. Moran.	W. V. Smith.	M. Neary.	12 "	1,171 85				
Fifty-third street, Tenth avenue to Eleventh avenue.	J. D. Miner.	J. McIntyre Smith.	Sylvester Bennett.	150 "	15,925 00	12,404 00	3,721 20	8,682 80	
Sixty-fourth street, First avenue to East river.	J. McKim & Son.	W. V. Smith.	Charles McSorley.	200 "	15,000 45	3,355 00	1,006 50	2,348 50	
Sixty-sixth street, Eighth avenue to Boulevard.	J. Mulholland.	F. M. Leonard.	Jeremiah Chadwick.	300 "	14,372 76	11,258 00	3,377 40	7,686 00	
Eighty-fifth street, Tenth avenue to Riverside Drive.	William Kelly.	H. K. Vile.	Wesley J. Wiant.	120 "	19,796 60	5,606 25	1,681 88	3,924 37	
Eighty-eighth street, Tenth avenue to Riverside Drive.	J. Brady.	E. L. Vile.	Francis S. McAvoy.	75 "	9,180 80	24,120 00	7,236 00	16,884 00	
Ninety-third street, West End avenue to Riverside Drive.	William Kelly.	W. V. Smith.	Julius Simon.	350 "	33,987 73				
Ninety-fifth street, Ninth avenue to Tenth avenue.	J. Slattery.	W. V. Smith.	B. Martin.	120 "	7,898 49				
Nine-y-fifth street, Tenth avenue to Riverside Drive.	J. Brady.	H. K. Vile.	James R. Mount.	50 "	15,676 28	44,000 50	13,200 75	30,801 75	
Ninety-eighth street, Fourth avenue to Fifth avenue.	A. Dowdney.	M. A. Kellogg.	Matthew Stripp.	350 "	6,101 50				
One Hundred and First street, Third avenue to five feet east of Fourth avenue.	J. Slattery.	W. V. Smith.	Lansing Pruyn.	180 "	21,100 10	19,840 00	5,952 00	13,888 00	
One Hundred and First street, Third avenue to five feet east of Fourth avenue.	T. E. Crimmins.	W. V. Smith.	Isaac Smith.	345 "	9,421 60				
One Hundred and First street, Fifth avenue to Fifth avenue.	J. Kinsley.	J. McIntyre Smith.	John Reilly.	300 "	25,789 44	22,620 00	6,786 00	15,834 00	
One Hundred and Third street, Tenth avenue to Riverside Drive.	J. B. Devlin.	W. V. Smith.	Edward C. Brady.	275 "	13,230 00	10,323 26	3,096 98	7,228 28	
One Hundred and Twelfth street, Madison avenue to Sixth avenue.	W. E. Dean.	W. V. Smith.	James H. Reilly.	60 "	8,734 30	3,000 00	900 00	2,100 00	
One Hundred and Twelfth street, Seventh avenue to Eighth avenue.	Phelan & Haughton.	W. V. Smith.	M. L. Ogden.	320 "	10,359 57	7,605 55	2,281 67	5,123 88	Work completed, but not yet accepted.
One Hundred and Seventeenth street, Fourth avenue to Fifth avenue.	P. Farley.	J. McIntyre Smith.	M. L. Ogden.	200 "	7,848 40				
One Hundred and Eighteenth street, Fourth avenue to Sixth avenue.	P. Farley.	John E. Eustis.	Henry Marshall.	500 "	35,778 00	23,500 00	7,050 00	16,450 00	
One Hundred and Twentieth street, Fourth avenue to Sixth avenue.	M. Finn.	W. V. Smith.	Wm. H. Johnson.	250 "	29,952 30	9,660 00	2,898 00	6,764 00	
One Hundred and Twenty-second street, Fourth avenue to Madison avenue.	J. Phelan.	J. McIntyre Smith.	John Lawrence.	200 "	18,139 50	15,230 00	4,159 00	10,661 00	
One Hundred and Thirty-second street, Tenth avenue to Broadway.	F. Thilemann, Jr.	R. L. Waters.	Walter E. Palister.	200 "	9,468 56				
One Hundred and Thirty-fourth street, St. Nicholas avenue to Eighth avenue.	J. G. Smith.	R. L. Waters.	D. Simmons.	30 "	1,832 16				
One Hundred and Thirty-fifth street, St. Nicholas avenue to Eighth avenue.	D. McGrath.	R. L. Waters.		35 "	1,710 45				Work not yet commenced.
One Hundred and Forty-first street, Seventh avenue to Eighth avenue.	J. B. Devlin.	W. V. Smith.	J. J. Fitzgerald.	300 "	6,302 41				
One Hundred and Forty-fourth street, Seventh avenue to New avenue.	P. Farley.	R. L. Waters.	J. McGowan.	200 "	12,600 70				
One Hundred and Fifty-first street, St. Nicholas avenue to Boulevard.	Thomas Murray.	W. V. Smith.	P. Mallon.	45 "	5,367 50	3,168 00	950 40	2,217 60	
One Hundred and Fifty-third street, sixty feet east of Seventh avenue to New avenue.	P. Farley.	W. V. Smith.	Nathan Frank.	350 "	23,435 30	16,420 00	4,926 00	11,491 00	
One Hundred and Fifty-seventh street, Tenth avenue to Boulevard.	W. E. Dean.	W. V. Smith.	Wm. J. Delahanty.	180 "	12,808 50	4,296 00	1,288 80	3,097 20	
One Hundred and Fifty-eighth street, Kingsbridge road to Public Drive.	William Phelan.	W. V. Smith.	E. T. Bennett.	100 "	16,119 15	3,585 00	1,075 50	2,509 50	
One Hundred and Sixty-second street, Tenth avenue to Edgecomb avenue.	F. Thilemann, Jr.	W. V. Smith.	F. S. Heiser.	100 "	10,804 25				
One Hundred and Sixty-fifth street, Tenth avenue to Eleventh avenue.	W. E. Dean.	W. V. Smith.	Denis Hulan.	65 "	7,439 85	1,500 00	450 00	1,050 00	
One Hundred and Eighty-fifth street, Tenth avenue to Kingsbridge road.	W. J. Reilly.	W. V. Smith.		90 "	12,336 64				Work not yet commenced.
Boulevard and Avenues.									
Regulating, Grading, Curb, Flagging, etc.—									
Eleventh avenue, One Hundred and Fifty-fifth street to Kingsbridge road.	M. Noonan.	G. F. Babcock.		300 "	65,523 20	53,545 60	16,063 68	37,481 52	Work completed, but not yet accepted.
Total					\$630,881 51	\$433,372 18	\$130,011 64	\$303,360 54	

STATEMENT OF THE AMOUNT OF WORK DONE ON CONTRACTS DURING THE QUARTER ENDING JUNE 30, 1884.	
Earth excavated, cubic yards	29,594
Rock excavated, cubic yards	40,565
Filling furnished, cubic yards	79,226
Curb-stones set, linear feet	21,957 1/2
Flagging laid, square feet	77,170 1/2
Pavement laid, square yards	4,220
Bridge stones laid, square feet	2,100
Dry stone box culverts built, linear feet	173
Picket fence built, linear feet	308 1/2

AMOUNT OF VOUCHERS DRAWN.

Street Improvement Fund, contracted after June 9, 1880.	\$130,274 06
Street Improvement Fund, June 9, 1880.	234 00
Street Improvements above Fifty-ninth Street, June 9, 1880.	66,406 92
Street Improvements—For Surveying, Monumenting and Numbering of Streets.	228 00
Total	\$197,142 98

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting and Numbering of Streets, 1884.	\$3,000 00
Outstanding liabilities	\$55 00
Amount of vouchers drawn	393 00
	448 00

Balance estimated June 30, 1884. \$2,552 00

Street Improvements—For Surveying, Monumenting and Numbering of Streets, 1883—	
Balance of appropriation	\$63 50
Outstanding liabilities estimated	15 00
Balance estimated	\$48 50

FLAGGING SIDEWALKS AND FENCING VACANT LOTS IN FRONT OF CITY PROPERTY.

Amount of appropriation, 1884.	\$1,500 00
Amount of vouchers drawn	31 20
Balance June 30, 1884	\$1,468 80

WORKS COMPLETED.

Filling in—	
The low and sunken land between One Hundred and Forty-third and One Hundred and Fifty-fifth streets and between Eighth and Ninth avenues.	\$68,762 32
Regulating and grading—	
One Hundred and Fifty-eighth street, intersection with Public Drive	652 30
Regulating, grading, curb and flagging—	
Sixty-seventh street, Third avenue to Avenue A.	\$21,501 79
Ninety-ninth street, Fourth avenue to Fifth avenue.	10,079 79
One Hundredth street, Boulevard to Riverside Drive.	7,422 74
One Hundred and Eleventh street, Sixth avenue to Eighth avenue.	25,019 80
One Hundred and Thirty-seventh street, Fifth avenue to Seventh avenue.	14,559 22
One Hundred and Thirty-eighth street, Sixth avenue to Eighth avenue.	16,652 29
One Hundred and Forty-first street, St. Nicholas avenue to Tenth avenue.	18,663 74
One Hundred and Fifty-sixth street, St. Nicholas avenue to Eleventh avenue.	6,414 45
	120,403 82
Curb and flagging—	
One Hundred and Seventy-fifth street, Tenth avenue to Kingsbridge road.	4,505 89
Flagging—	
Eleventh avenue, Fifty-eighth to Fifty-ninth street, and north side Fifty-eighth street, Tenth to Eleventh avenue.	1,097 11
Fencing vacant lots—	
East side of Fourth avenue, Sixty-fourth and Sixty-fifth streets, and south side of Sixty-fifth street, Fourth to Lexington avenue.	150 12
Total	\$195,571 56

Document "H."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, No. 31 CHAMBERS STREET,
New York, July 1, 1884.

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

SIR—In compliance with your instructions, I have the honor to submit herewith my report for the quarter ending June 30, 1884, of the work done and material used and the amount expended on Boulevards, Roads and Avenues, and Roads, Streets and Avenues, Unpaved; also on Boulevards—Salaries.

Respectfully,
JAMES J. MOONEY, Superintendent of Streets.

The following is a statement of the principal work done and material used and removed, during the quarter ending June 30, 1884, on the Macadam roadways:

Seventy-second street, between Fifth avenue and Eastern Boulevard,
224 cubic yards of dirt removed.
2 cubic yards of sand repairing.
10 cubic yards of trap-rock repairing.
2 cubic yards of gravel repairing.
Seventy-second street, between Eighth avenue and Riverside Drive,
188 cubic yards of dirt removed.
Fifth avenue, between Fifty-eighth and One Hundred and Twentieth streets,
355 cubic yards of dirt removed.
69 cubic yards of sand spread.
27 cubic yards of trap-rock repairing.
Fifth avenue, between Fifty-ninth and Sixtieth streets—Repairing over sewer and water-main,
55 cubic yards of earth excavated.
26 cubic yards of Telford.
40 cubic yards of trap-rock.
18 cubic yards of Belgian blocks.
Eastern Boulevard, between Fifty-seventh and Eighty-sixth streets,
190 cubic yards of dirt removed.
22 cubic yards of sand.
18 cubic yards of dirt removed from Eastern Boulevard, between One Hundred and Seventh and One Hundred and Eighth streets.
First avenue, between One Hundred and Ninth and One Hundred and Sixteenth streets,
92 cubic yards of dirt removed.
Pleasant avenue, between One Hundred and Nineteenth and One Hundred and Twenty-fourth streets,
24 cubic yards of dirt removed.
26 cubic yards of sand spread.
Manhattan street, between Ninth avenue and Avenue St. Nicholas,
63 cubic yards of dirt removed.
14 cubic yards of sand, for repairing.
Mount Morris Park avenue, between One Hundred and Twentieth and One Hundred and Twenty-fourth streets,
14 cubic yards of sand spread.
One Hundred and Tenth street, between First avenue and Western Boulevard,
321 cubic yards of dirt removed.
One Hundred and Sixteenth street, between Pleasant and Seventh avenues,
141 cubic yards of dirt removed.
75 cubic yards of sand, for repairing.
10 cubic yards of trap-rock, for repairing.
One Hundred and Tenth street, between Sixth and Seventh avenues,
4 cubic yards of filling.
One Hundred and Twenty-third street, between Mount Morris and Eighth avenues,
61 cubic yards of dirt removed.
2 cubic yards of sand, for repairing.
3 cubic yards of trap-rock, for repairing.
One Hundred and Twenty-second street, between Western Boulevard and Riverside Drive,
20 cubic yards of sand, for repairing.
One Hundred and Twenty-fourth street, between Pleasant and Eighth avenues,
82 cubic yards of dirt removed.
23 cubic yards of sand spread.
Avenue St. Nicholas, between One Hundred and Twenty-fifth and One Hundred and Fifty-fifth streets,
114 cubic yards of dirt removed.
41 cubic yards of gravel spread.
2 cubic yards of earth, for repairs.
Sixth avenue, between One Hundred and Tenth and One Hundred and Forty-fifth streets,
56 cubic yards of dirt removed.
86 cubic yards of sand, for repairs.
Seventh avenue, between One Hundred and Tenth and One Hundred and Fifty-fourth streets,
101 cubic yards of dirt removed.
472 cubic yards of sand, for repairs.
10 cubic yards of trap-rock, for repairs.
4 cubic yards of earth, for repairs.
One Hundred and Forty-fifth street, between Sixth avenue and Boulevard,
12 cubic yards of dirt removed.
13 cubic yards of sand, for repairs.
One Hundred and Fifty-second street, between Boulevard and Avenue St. Nicholas,
45 cubic yards of dirt removed.
One Hundred and Fifty-fifth street, between Avenue St. Nicholas and Western Boulevard,
61 cubic yards of dirt removed.
Ninth avenue, between One Hundred and Twenty-fifth and One Hundred and Twenty-sixth streets,
11 cubic yards of dirt removed.
Western Boulevard, between Fifty-ninth and One Hundred and Fifty-fifth streets,
1,103 cubic yards of dirt removed.
395 cubic yards of sand, for repairs.
91 cubic yards of trap-rock, for repairs.
43 cubic yards of stone removed.

The following Macadam roadways were sprinkled:

Seventy-second street, between Fifth avenue and Eastern Boulevard.
Seventy-second street, between Eighth avenue and Western Boulevard.
Fifth avenue, between Fifty-eighth and One Hundred and Twentieth streets.
Sixth avenue, between One Hundred and Tenth and One Hundred and Forty-fifth streets.
Seventh avenue, between One Hundred and Tenth and One Hundred and Fifty-fourth streets.
Eastern Boulevard, between Fifty-seventh and Eighty-sixth streets.
First avenue, between One Hundred and Ninth and One Hundred and Sixteenth streets.
Pleasant avenue, between One Hundred and Nineteenth and One Hundred and Twenty-fourth streets.
Manhattan street, between Ninth avenue and Avenue St. Nicholas.
Mount Morris Park avenue, between One Hundred and Twentieth and One Hundred and Twenty-fourth streets.
One Hundred and Tenth street, between First avenue and Western Boulevard.
One Hundred and Sixteenth street, between Pleasant and Seventh avenues.
One Hundred and Twenty-third street, between Mount Morris and Eighth avenues.
One Hundred and Twenty-fourth street, between Pleasant and Eighth avenues.
Avenue St. Nicholas, between One Hundred and Tenth and One Hundred and Fifty-fifth streets.
One Hundred and Forty-fifth street, between Sixth avenue and Western Boulevard.
One Hundred and Fifty-fifth street, between Avenue St. Nicholas and Western Boulevard.
Western Boulevard, between Fifty-ninth and One Hundred and Fifty-fifth streets.

Repairing over sewer and water connections and the material used:

No. 435 East Seventy-second street,
1 cubic yard of trap-rock.
Northwest corner Avenue A and Seventieth street,
1 cubic yard of trap-rock.
East side Avenue A, 75 feet south of Seventy-sixth street,
7 cubic yards of trap-rock.
7 cubic yards of Telford.
1 cubic yard of gravel.
15 cubic yards of excavation.
North side Seventy-second street, one hundred and thirty-eight feet east of First avenue,
6 cubic yards of trap-rock.
6 cubic yards of Telford.
1 cubic yard of gravel.
12 cubic yards of excavation.

South side Seventy-second street, two hundred and thirty feet east of Third avenue,

42 cubic yards of trap-rock.
42 cubic yards of Telford.
8 cubic yards of gravel.
53 cubic yards of excavation.
No. 312 East Seventy-second street,
1 cubic yard of trap-rock.
Seventy-second street, one hundred and thirteen feet east of First avenue.
6 cubic yards of trap-rock.
6 cubic yards of Telford.
1 cubic yard of gravel.
12 cubic yards of excavation.
No. 1285 Fifth avenue,
1 cubic yard of trap-rock.
Nos. 233, 235, 237, 239, 241, 243, 245, 247 and 249 West One Hundred and Twenty-third street,
5 cubic yards of Telford.
11 cubic yards of sand.
13 cubic yards of trap-rock.

The following is the amount of material used at the Repair Shop, on New avenue and One Hundred and Twenty-second street, for repairing water monitors, hand cars, scrapers, horse and steam rollers, snow plows and scrapers, etc.:

140 feet of white wood and 6 joist; 312 feet of oak; 80 feet of shelving; 336 feet of pine; 15 hemlock boards; 198 pounds carriage bolts; 8 pounds nails, assorted; 223 pounds iron, assorted; 26 pounds bolts, assorted; 10 pounds axle grease; 175 pounds white lead; 39 pounds putty; 43 pounds red lead; 6 gross screws, assorted; 100 feet hose; 3 gallons varnish; 3 gallons turpentine; 3 gallons raw oil; 2½ gallons boiled oil; 1 pint dryer; 5 pounds black; 1 pint Japan.

The following is a statement of the appropriation and expenditures on Boulevards, Roads and Avenues, Maintenance of:

Amount appropriated for 1884..... \$50,000 00
Amount expended for the first quarter, 1884..... 5,131 64

Balance April 1, 1884..... \$44,868 36
Amount expended for the second quarter is as follows:

Pay-roll, Laborers, etc., March 31, 1884.....	\$1,667 62
" " April 15, 1884.....	2,133 18
" " April 30, 1884.....	2,866 37
" " May 15, 1884.....	2,699 12
" " May 31, 1884.....	2,941 62
" " June 15, 1884.....	3,007 24
Horse keep.....	90 00
Horseshoeing.....	13 50
Rubber hose.....	112 50
Repairs to sprinklers.....	52 20
Coal.....	17 50
Wagon.....	490 00
Sundry articles.....	75 36
Repairs to harness.....	8 25
	<u>16,174 46</u>

Balance July 1, 1884..... \$28,693 90

Balance of appropriation of 1883..... \$2,008 78

Amount expended for the second quarter is as follows:

Paints, oils, etc.....	114 11
Balance July 1, 1884.....	<u>\$1,894 67</u>

The following is a statement of the appropriation and expenditure on Boulevards, Roads and Avenues, Maintenance of—Salaries:

Amount appropriated for 1884..... \$2,100 00
Amount expended for the first quarter, 1884..... 375 00

Balance April 1, 1884..... \$1,725 00

Amount expended for the second quarter is as follows:

Pay-roll, Clerk, April 30, 1884.....	\$125 00
" May 31, 1884.....	125 00
" June 30, 1884.....	125 00
	<u>375 00</u>
Balance July 1, 1884.....	<u>\$1,350 00</u>

The following is a statement of work done and material used on the unpaved roads, streets and avenues, during the quarter ending June 30, 1884:

Repairing Eighty-first street, between Ninth avenue and Western Boulevard.
Repairing Eighty-eighth street, between Eighth avenue and Western Boulevard.
Repairing Ninetieth street, between Eighth avenue and Western Boulevard.
Repairing Ninety-third street, between Eighth avenue and Western Boulevard.
Repairing Ninety-sixth street, between Eighth avenue and Western Boulevard.
Repairing Ninety-seventh street, between Ninth avenue and Western Boulevard.
Repairing Ninety-eighth street, between Ninth avenue and Western Boulevard.
Repairing Ninety-ninth street, between Ninth avenue and Western Boulevard.
Repairing One Hundredth street, between Tenth avenue and Western Boulevard.
Repairing One Hundred and First street, between Ninth avenue and Western Boulevard.
Repairing One Hundred and Second street, between Fourth and Fifth avenues.
Repairing One Hundred and Third street, between Madison and Fifth avenues.
Repairing One Hundred and Thirteenth street, between Tenth avenue and Western Boulevard.
Repairing One Hundred and Sixteenth street, between Pleasant avenue and East river.
Repairing One Hundred and Fifteenth street, between Pleasant avenue and East river.
Repairing One Hundred and Twenty-first street, between Pleasant avenue and East river.
Repairing One Hundred and Forty-third street, between Old Broadway and Western Boulevard.
Repairing One Hundred and Fifty-first street, between Western Boulevard and Hudson river.
Repairing One Hundred and Fifty-fourth street, from Eighth avenue to McComb's Dam road.
Repairing One Hundred and Fifty-fifth street, from Seventh avenue to McComb's Dam road.
Repairing First avenue, between One Hundred and First and One Hundred and Seventh streets.
Repairing Pleasant avenue, between One Hundred and Fourteenth and One Hundred and Nineteenth streets.
Repairing Eighth avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-second streets.
Repairing McComb's Dam road, between One Hundred and Fifty-first and One Hundred and Fifty-fifth streets.
Repairing Tenth avenue, between Eighty-seventh and One Hundred and Second streets.
Repairing Tenth avenue, between One Hundred and Fourth and One Hundred and Twenty-fifth streets.
Repairing Eleventh avenue, between One Hundred and Fifty-ninth and One Hundred and Sixty-eighth streets.
Repairing Farmer's Bridge road, between Kingsbridge road and Harlem river.
Repairing Kingsbridge road, between Inwood and Spuyten Duyvil.
Repairing Inwood lane, between Kingsbridge road and Hudson river.
Repairing walk in One Hundred and Fifty-fourth street, between Eighth avenue and McComb's Dam road.

Repairing Eighty-sixth street, from Eighth avenue to Riverside Drive.
Repairing Eighty-seventh street, from Tenth avenue to Western Boulevard.
Repairing One Hundred and Seventy-third street, from Kingsbridge road to Tenth avenue.
Repairing Ninth avenue, from Eighty-fifth to Ninetieth street.

The following is the amount of material used:

1,931 cubic yards of earth and clay.
63 cubic yards of gravel.
36 cubic yards of broken stone.
75 spruce plank.
150 str. ps.
50 joist.

The following are the roads, streets, and avenues that have been sprinkled during the quarter ending June 30, 1884:

One Hundred and Fifty-fourth street, between Seventh avenue and McComb's Dam road.
One Hundred and Fifty-fifth street, between Ninth avenue and Avenue St. Nicholas.
One Hundred and Seventy-third street, between Tenth avenue and Kingsbridge road.

Tenth avenue, between One Hundred and Forty-third and One Hundred and Fifty-first streets.
Tenth avenue, between One Hundred and Sixty-second and One Hundred and Seventy-second streets.
Avenue St. Nicholas, between One Hundred and Fifty-fifth and One Hundred and Sixty-second streets.
Old Broadway, between One Hundred and Thirty-eighth and One Hundred and Fifty-first streets.
Kingsbridge road, between One Hundred and Sixty-second street and Spuyten Duyvil.
McComb's Dam road, between One Hundred and Fiftieth and One Hundred and Fifty-fourth streets.
Farmers' Bridge road, between Kingsbridge road and Harlem river.

The following is a statement of the appropriation and expenditures on Roads, Streets, and Avenues, Unpaved, Maintenance of:

Amount appropriated for 1884	\$30,000 00
Amount expended for the first quarter, 1884	2,550 00

Balance April 1, 1884	\$27,450 00
Amount expended for the second quarter is as follows:	
Pay-roll of Laborers, etc., March 31, 1884	\$489 50
" " April 15, 1884	598 99
" " April 30, 1884	939 00
" " May 15, 1884	852 49
" " May 31, 1884	928 50
" " June 15, 1884	969 75
Horse keep, March, 1884	90 00
" " April, 1884	90 00
" " May, 1884	90 00
Repairing tools, etc.	27 20
Nails	6 00
	5,081 43

Balance July 1, 1884	\$22,368 57
----------------------	-------------

Document "I."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF LAMPS AND GAS,
NEW YORK, July 15, 1884.

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

SIR—In compliance with your directions, I herein submit a report of the transactions of the Bureau of Lamps and Gas, for the three months ending June 30, 1884:

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

In Exhibit "B" is a summary of the appropriation for "Lamps and Gas and Electric Lighting," showing an expenditure during the quarter of one hundred and forty-three thousand seven hundred and thirty-one dollars and seventy-three cents (\$143,731.73), and for the six months of two hundred and thirty-eight thousand nine hundred and thirty-one dollars and eight cents (\$238,931.08). The outstanding liabilities amount to fifty-four thousand three hundred and eighty-nine dollars and seventy-one cents (\$54,389.71), leaving an available balance of three hundred and seventy-nine thousand six hundred and seventy-nine dollars and twenty-one cents (\$379,679.21).

Exhibit "C" is a summary of the appropriation for "Salaries—Lamps and Gas and Electric Lighting," and this shows an expenditure during the quarter of one thousand five hundred and eighteen dollars (\$1,518), and for the six months of three thousand and seventy-one dollars and twenty-two cents (\$3,071.22), leaving an available balance of two thousand seven hundred and forty-four dollars and seventy-eight cents (\$2,744.78).

In Exhibit "D" is a summary of the "Lamp Account," and this shows the number of new lamps lighted, old lamps relighted, and lamps discontinued during the quarter, a total of one hundred and ninety-six new gas-lamps having been lighted, five hundred and thirty-four new electric-lamps lighted, ninety-eight old gas-lamps relighted, and fifteen hundred and seventy-two gas-lamps discontinued. The total number of gas-lamps lighted on June 30, 1884, was twenty-three thousand and eighty-four, and the total number of electric-lamps was five hundred and thirty-four. Of the gas-lamps discontinued, fifteen hundred and twenty-one were displaced by the four hundred and six new electric lamps.

Exhibit "E" is a statement showing the lowest, highest and average illuminating power of the gases supplied to the city by the New York, Manhattan, Metropolitan, New York Mutual, Municipal and Harlem Gas-light Companies during the quarter.

The following table will show the average amount of impurities found in the gases of the above-named companies, as ascertained by the analyses made by Dr. E. G. Love, the official Gas Examiner, at 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.	3.00	0.43	None.
Manhattan Gas-light Co.	18.21	15.08	"
N. Y. Mutual Gas-light Co.	2.50	0.37	Constantly present.
Municipal Gas-light Co.	5.23	0.65	None.
Metropolitan Gas-light Co.	25.63	None.	"
Harlem Gas-light Co.	21.08	15.87	Occasionally present.

The following table will show the specific gravity of the gases:

New York Gas-light Company, specific gravity	.628 to .643
Manhattan Gas-light Company, "	.401 to .421
N. Y. Mutual Gas-light Company, "	.670 to .694
Municipal Gas-light Company, "	.628 to .661
Metropolitan Gas-light Company, "	.533 to .544
Harlem Gas-light Company, "	.411 to .426

The following table will show the average maximum and minimum pressure on the mains of the foregoing companies, as recorded on the pressure registers in our photometric stations, the average being made for the time during which the public lamps are required to be kept lighted:

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
	Inches.	Inches.		Miles.
New York Gas-light Co.	1.09	1.02	Cor. Bowery and Grand street.	2.10
Manhattan Gas-light Co.	2.12	1.02	" " "	1.50
N. Y. Mutual Gas-light Co.	2.48	1.82	" " "	1.70
Municipal Gas-light Co.	1.92	1.17	" " "	3.50
Metropolitan Gas-light Co.	1.67	0.90	(Seventy-ninth street, between Second and Third avenues.)	3.20
Harlem Gas-light Co.	2.97	1.37	(Seventy-ninth street, between Second and Third avenues.)	1.70

Under the contract executed on April 29 with the United States Illuminating Company, two hundred and twenty-six new electric-lamps have been erected and lighted in Bleeker street, from Bowery to Eighth avenue; Eighth avenue, from Fourteenth street to Bleeker street; East Broadway, from Chatham Square to Grand street; South street, from Whitehall street to Grand street; West street, from Battery place to West Eleventh street; Broadway, from Battery place to Canal street; Gansevoort Market Square, and Tompkins Park, which complete the number to be erected by said company. Under the contract made with the Brush Electric Illuminating Company on same date, one hundred and eighty new electric-lamps have been erected and lighted in Fourteenth, Twenty-third, Thirty-fourth and Forty-second streets, from the North river to East river, and Seventh avenue, from Fourteenth street to Fifty-ninth street. To complete the contract, this company has yet to light Fourth avenue, from Eighteenth to Thirty-fourth street; Park avenue, from Thirty-fourth street to Forty-second street; Fifth avenue, from Thirty-fourth street to Fifty-ninth street; Broadway, from Thirty-fourth street to Fifty-ninth street; and Fifty-ninth street, from Third avenue to Ninth avenue, and this will be done during the present month.

Yours respectfully,

S. McCORMICK, Superintendent Lamps and Gas.

EXHIBIT "A."

Statement showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Offices, etc., and for Fitting-up, Repairing and Lighting the Public Lamps, etc., for the Quarter ending June 30, 1884.

Washington Market	\$177 45
Catharine Country Market	18 30
Catharine Meat Market	24 15
Fulton Meat Market	261 30
Fulton Country Market	345 90
Essex Market	49 50
Centre Market	100 80
Clinton Market	128 40
Union Market	5 70
Tompkins Market	230 85
Jefferson Market	125 55
First District Police Court	162 75
Second District Police Court	155 55
Third District Police Court	64 35
Fourth District Police Court	87 15
Fifth District Police Court	30 60
Court of Special Sessions	2 10
First District Civil Court	45
Second District Civil Court	14 55
Fourth District Civil Court	14 70
Fifth District Civil Court	52 95
Sixth District Civil Court	6 30
Eighth District Civil Court	5 40
Ninth District Civil Court	4 28
Court-room, Brown-stone Building	79 35
New Court-house	1,234 20
City Hall	321 75
Department of Public Works	184 95
Receiver of Taxes' Office	200 40
Corporation Attorney's Office	62 40
Assessment Commission's Office	5 55
Tax Commissioners' Office	6 60
Pipe Yard, Rivington street	1 80
County Jail	329 55
Clock Tower, Third District Court-house	270 00
South Gate-house	93 37
Engine-house, High Bridge	78 06
Engine-house, Ninety-eighth street	167 85
Photometrical Room, Grand street	23 93
Photometrical Room, Seventy-ninth street	5 25
Public Bath, Battery, North river	6 60
Public Bath, Gouverneur Slip, East river	4 20
Public Bath, Duane street, North river	3 00
Public Bath, Fifth street, East river	9 90
Public Bath, Horatio street, North river	11 55
Public Bath, Nineteenth street, East river	2 25
Public Bath, Thirty-seventh street, East river	7 95
Public Bath, Fifty-first street, North river	4 95
Public Bath, One Hundred and Twelfth street	9 23
Repair Shop, Water Purveyor's, Thirtieth street	4 95
Repair Shop, Water Purveyor's, Eighty-third street	8 50
Repair Shop, Water Purveyor's, One Hundred and Twenty-ninth street	19 12
Gas examinations	312 00
Lighting Public Markets (Pay-rolls)	281 33
Cleaning Photometrical Rooms (Pay-rolls)	15 00
New lamp-posts	960 00
New lamp-posts, Twenty-third and Twenty-fourth Wards	615 00
New street-lamps	435 00
New street lamps, Twenty-third and Twenty-fourth Wards	391 50
New boulevard lamps	400 00
New crossheads	180 00
New lamp-irons	368 75
Supplies for Photometrical Rooms	52 00
Photometrical Rooms, Grand street—Rent	150 00
Photometrical Rooms, Seventy-ninth street—Rent	90 00
Resetting and repairing lamp-posts	1,518 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards	793 00
Fitting up new lamps	784 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards	170 00
Lighting public lamps	93,013 72
Lighting public lamps, Twenty-third and Twenty-fourth Wards	28,246 53
Lighting electric-lamps	9,716 70
Total	\$143,731 73

RECAPITULATION.

Gas to public offices, etc.	\$5,233 20
Supplies for public lamps	3,244 08
Supplies for public lamps, Twenty-third and Twenty-fourth Wards	1,006 50
Resetting and repairing lamp-posts	1,518 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards	793 00
Fitting up new lamps	784 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards	170 00
Lighting public lamps	93,013 72
Lighting public lamps, Twenty-third and Twenty-fourth Wards	28,246 53
Lighting electric lamps	9,716 70
Total	\$143,731 73

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1884, showing the Amounts Expended during the First and Second Quarters, and the Balance standing to the Credit of the Appropriation.

Amount appropriated for "Lamps and Gas and Electric Lighting," for year 1884	\$673,000 00
Amount of vouchers drawn during the quarter ending March 31, 1884	\$95,199 35
Amount of vouchers drawn during the quarter ending June 30, 1884	143,731 73
Total amount of vouchers drawn to June 30, 1884	238,931 08
Balance against which no vouchers have been drawn	\$434,068 92

LIABILITIES.

New York Gas-light Co., lighting public lamps, month of June	\$4,542 67
Manhattan Gas-light Co., "	8,950 91
Metropolitan Gas-light Co., "	7,021 09
N. Y. Mutual Gas-light Co., "	887 06
Harlem Gas-light Co., "	9,222 50
Central Gas-light Co., "	5,148 48
Northern Gas-light Co., "	3,704 00
Yonkers Gas-light Co., "	812 50
Brush Electric Illuminating Co., "	2,882 60
United States Illuminating Co., "	4,649 40
Manhattan Gas-light Co., gas to public offices, month of February	1,377 90
Manhattan Gas-light Co., gas to armories, months of March, April, May and June	2,640 30
Metropolitan Gas-light Co., gas to public offices, month of February	808 50
Metropolitan Gas-light Co., gas to armories, months of March, April, May and June	1,741 80
Total liabilities	54,389 71
Balance available June 30, 1884	\$379,679 21

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries," for 1884, showing the Amounts Expended during the First and Second Quarters, with the Balance standing to the Credit of the Appropriation.

Amount appropriated for "Lamps and Gas and Electric Lighting—Salaries," for 1884	\$5,816 00
Amount expended during the quarter ending March 31, 1884	\$1,553 22
Amount expended during the quarter ending June 30, 1884	1,518 00
Total amount expended to June 30, 1884	3,071 22
Balance available June 30, 1884	\$2,744 78

EXHIBIT "D."

Summary of the "Lamp Account," showing the Number of New Lamps Lighted, Old Lamps Relighted, and Lamps Discontinued during the Quarter ending June 30, 1884.

NEW YORK GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	3,364
Number of new lamps lighted during the quarter	0
Number of old lamps relighted during the quarter	4
Less lamps discontinued during the quarter	3,368
	547

Number of lamps lighted June 30, 1884 2,821

MANHATTAN GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	6,499
Number of new lamps lighted during the quarter	8
Number of old lamps relighted during the quarter	12
Less lamps discontinued during the quarter	6,519
	547

Number of lamps lighted June 30, 1884 5,972

METROPOLITAN GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	4,748
Number of new lamps lighted during the quarter	20
Number of old lamps relighted during the quarter	10
Less lamps discontinued during the quarter	4,778
	233

Number of lamps lighted June 30, 1884 4,545

NEW YORK MUTUAL GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	773
Number of new lamps lighted during the quarter	1
Number of old lamps relighted during the quarter	0
Less lamps discontinued during the quarter	774
	232

Number of lamps lighted June 30, 1884 542

HARLEM GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	5,298
Number of new lamps lighted during the quarter	137
Number of old lamps relighted during the quarter	10
Less lamps discontinued during the quarter	5,445
	9

Number of lamps lighted June 30, 1884 5,436

CENTRAL GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	2,019
Number of new lamps lighted during the quarter	27
Number of old lamps relighted during the quarter	12
Less lamps discontinued during the quarter	2,058
	4

Number of lamps lighted June 30, 1884 2,054

NORTHERN GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	1,386
Number of new lamps lighted during the quarter	3
Number of old lamps relighted during the quarter	0
Less lamps discontinued during the quarter	1,389
	0

Number of lamps lighted June 30, 1884 1,389

YONKERS GAS-LIGHT COMPANY.	
Number of lamps lighted March 31, 1884	325
Number of new lamps lighted during the quarter	0
Number of old lamps relighted during the quarter	0
Less lamps discontinued during the quarter	325
	0

Number of lamps lighted June 30, 1884 325

Total number of gas-lamps lighted June 30, 1884 23,084

ELECTRIC LAMPS.

BRUSH ELECTRIC ILLUMINATING COMPANY.	
Number of lamps lighted March 31, 1884	55
Number of new lamps lighted during the quarter	180
Number of old lamps relighted during the quarter	0
Less lamps discontinued during the quarter	235
	0

Number of lamps lighted June 30, 1884 235

UNITED STATES ILLUMINATING COMPANY.	
Number of lamps lighted March 31, 1884	73
Number of new lamps lighted during the quarter	226
Number of old lamps relighted during the quarter	0
Less lamps discontinued during the quarter	299
	0

Number of lamps lighted June 30, 1884 299

Total number of electric lamps lighted June 30, 1884 534

RECAPITULATION.

Number of gas-lamps lighted March 31, 1884	24,412
Number of electric-lamps lighted March 31, 1884	128
Number of new gas-lamps lighted during the quarter	196
Number of new electric-lamps lighted during the quarter	406
Number of gas-lamps relighted during the quarter	48
Number of electric-lamps relighted during the quarter	0
Less gas-lamps discontinued during the quarter	25,190
Less electric-lamps discontinued during the quarter	0

Number of lamps lighted June 30, 1884 2,999

Total number of gas and electric lamps, June 30, 1884 23,618

EXHIBIT "E."

Statement giving the Illuminating Power of the Gas supplied by the several Gas-light Companies during the Quarter ending June 30, 1884, 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 5.....	22.26	27.49	24.13	27.18	29.25	28.44	28.23	29.59	28.93	21.04	22.52	21.96	17.30	19.42	18.73	18.50	18.82	18.67
" 12.....	22.74	25.66	23.92	28.02	28.86	28.54	28.92	30.77	29.65	20.94	21.87	21.40	18.30	19.23	18.66	18.20	19.65	18.73
" 19.....	22.28	25.51	24.37	26.79	28.42	27.85	26.48	28.53	27.50	20.91	21.78	21.31	17.85	18.66	18.32	18.24	18.74	18.54
" 26.....	23.03	27.16	25.66	26.89	30.15	28.74	26.77	31.14	29.28	21.07	21.70	21.41	18.37	19.17	18.72	18.43	19.23	18.72
May 3.....	24.30	27.00	25.50	26.32	28.50	27.40	27.87	29.74	28.65	21.82	22.69	22.35	17.45	19.00	18.37	18.80	19.94	19.17
" 10.....	23.54	27.09	25.48	25.82	30.39	27.79	26.36	31.82	28.49	22.15	23.29	22.53	17.42	18.38	17.96	18.47	20.18	19.29
" 17.....	23.48	27.71	25.49	28.32	30.00	29.16	29.34	31.37	30.33	22.13	23.75	22.40	17.27	19.05	18.39	18.92	19.67	19.42
" 24.....	24.09	26.98	25.76	28.44	31.53	30.04	30.37	32.01	31.13	22.38	24.58	23.75	18.28	20.40	18.98	18.37	19.44	18.87
" 31.....	23.50	26.16	24.70	29.00	30.94	29.80	29.63	31.19	22.26	25.42	22.35	17.45	19.00	18.37	18.80	19.94	19.17	
June 7.....	24.07	26.71	24.66	27.73	28.69	28.19	27.20	29.72	28.70	21.06	23.18	22.60	17.88	19.05	18.40	17.64	18.97	18.37
" 14.....	22.83	25.37	24.27	26.60	27.78	26.97	27.62	31.06	29.67	22.12	24.48	23.26	17.41	18.16	17.77	17.28	19.30	18.23
" 21.....	23.72	26.00	24.85	26.49	28.50	27.60	26.54	32.43	29.28	22.32	23.53	23.06	17.98	18.70	18.21	18.14	19.90	18.79
" 28.....	22.67	25.14	23.92	26.30	28.02	27.29	25.68	33.94	29.36	21.12	24.42	22.17	17.04	19.48	18.21	17.05	18.40	17.77
Distance from Gas Works.	2 1/8 Miles.			3 1/8 Miles.			1 7/8 Miles.			3 1/8 Miles.			1 8/10 Miles.			1 7/10 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, No. 31 CHAMBERS STREET, ROOM 15,
NEW YORK, July 28, 1884.

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

SIR—In accordance 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, 1884.

Among the principal items of work were the following:

New Court-house.—In the Superior Court, Special Term, the location of Judges' bench, railings, etc., have been changed, and in Document Room of this court new shelving for storage of records have been put up, and new railing and gates put up between ante-room and court-room. Wire railing, with gates, have been put up in office of Clerk of Chambers of the Supreme Court. Repairs have also been made to several of the window iron shutters of the building.

Corporation Counsel's Office.—The signs in and about this office have been changed and the name of E. Henry Lacombe substituted for that of Geo. P. Andrews, and some closet work done.

Brown Stone Building.—The steam pump has been overhauled and repaired, and a yellow pine flooring, on chestnut sleepers, has been laid in basement. Two large black walnut cases, with movable shelving, and a small closet have been put up in office of Clerk of Special Sessions Courts.

City Hall.—Four new ventilating tops have been placed on the roof of this building, over the Mayor's office and Aldermanic Chamber. New halyards have been furnished and reeved on flag-poles.

No. 31 Chambers street.—A room has been partitioned off in the basement, and the flooring extended over area; walls and ceilings have been painted and calcimined, and furniture has been supplied for use of the Inspector of Street Paving.

Seventh District Court-house.—The Clerk's desk has been altered and extended, and the partitions in Clerk's office taken down, and position changed, and new iron railing, pigeon-holes, etc., supplied, and repairs made to leaders of building. In Judge's private room new water-closet has been put in, also a wash-basin. The plastering of the whole building has been repaired.

Eighth District Court-house.—The plastering of halls and court-room were repaired, and the walls and ceilings calcimined, and the jury-box repaired. The old chimney breast was fired off, and covered with pine ceiling, and then painted.

Sixth District Court-house.—The flooring has been repaired, and the window sash rehung, and a platform built in front of the Judge's desk.

Third District Court-house.—A new black walnut wardrobe has been furnished for use of Justices of this Court-house.

City Prison.—In the Court of Special Sessions a book-case has been put up. In the First Police Court the rooms occupied by the Court Police Squad have been repainted and the wood-work repaired. Three new water-closets and urinals have been put in, with tanks and all improvements.

Dog Pound.—New stoop and platform has been erected, the roof has been repaired and painted, and repairs made to drowning cage. The building has been painted on the exterior, and the interior of office painted.

Jefferson Market.—The underside of glass in skylights of this building has been painted.

Clinton Market.—Repairs have been made to gravel and tin roofing. New sash have been put in. General repairs made to glazing and the gutters and leaders made good.

Union Market.—Alterations were made in the plumbing and gas-fitting.

Centre Market.—New steps and handrail with newel post and iron ballusters have been put up on the northwest corner and the middle stairway on Centre street repaired.

No. 5 Duane street.—The stairways have been enclosed with spruce plank and doors hung and fastened at the head of same.

No. 1152 Third avenue.—The privy vault in the yards for use of this block of buildings has been properly cleaned.

Vesey Street Pier.—About 2,300 superficial feet of this pier has been repaired with 4-inch plank and new stringers put in where needed to support the dock.

Very respectfully,
THOMAS H. MCAVOY, Superintendent Repairs and Supplies.

Document "K."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF INCUMBRANCES, ROOM 16, No. 31 CHAMBERS STREET,
NEW YORK, July 14, 1884.

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

SIR—Herewith I submit a report of the business of this Bureau for the quarter ending June 30, 1884 (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, 751.

Number of removals of merchandise, wagons, trucks, stands, etc., etc., to the Corporation Yard, or other suitable place, 252.

Expenses of such removals (including 447 loads of stone and dirt) from the various parts of the city \$1,029 65

Total expenses for the quarter 2,029 45

Received from owners for the redemption of seized articles, etc.	\$364 38
Received from sale at Corporation Yard, foot of Gansevoort street, North river, Thursday, May 8, 1884.	360 70
Total	\$725 08
All of which was duly paid over to the City Chamberlain.	
Number of permits issued to builders	2,414
" permits issued to cut down trees	27
" special permits issued	240
" notices issued to repair and reflag sidewalks	237
" notices issued to repair vault covers	5

Respectfully,

JOSEPH BLUMENTHAL, Superintendent of Incumbrances.

Document "L."

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,
NEW YORK, August 4, 1884.

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, 1884:

	Principal.	Penalties.	Taps.
April	\$61,873 54	\$700 65	\$1,295 00
May	254,714 59	577 80	1,323 00
June	289,494 84	504 15	990 50
Total	\$606,082 97	\$1,782 60	\$3,608 50
Total	\$611,474 07		

Deposit to the credit of Special Meter Stock, \$54.

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

April	\$3,116 80
May	747 12
June	2,136 35
Total	\$6,000 27

Special Fund—Repairing Streets—

April	\$1,081 00
May	1,320 00
June	902 00
Total	\$3,303 00

Respectfully submitted,

J. H. CHAMBERS, Water Register.

DEPARTMENT OF PUBLIC PARKS.

Abstract of Proceedings for the Week ending August 23, 1884.

THURSDAY, AUGUST 21, 1884.—SPECIAL MEETING—10 A. M.

Present—Commissioners Vile (President), Wales, Crimmins, and Olliffe.

At the hour of ten o'clock, Mr. Marsh, the representative of the Comptroller, being present, and the meeting open to the public, the President, in the presence of the representative of the Comptroller and of such of the persons making proposals as were present, opened the estimate-book and publicly opened and read all the estimates or proposals which had been received in accordance with an advertisement duly published in the CITY RECORD for the following works, namely:

No. 1. For regulating and grading Brook avenue, from the New York and Harlem Railroad to a point four hundred and eighty-seven feet southerly from One Hundred and Thirty-second street, together with the approaches thereto, and including the construction of a wooden bridge to carry said avenue over One Hundred and Fifty-sixth street and the Port Morris Branch of the New York and Harlem Railroad.

No. 2. For constructing sewers and appurtenances across the Eighth avenue, and in the Central Park at Eighty-eighth street.

No. 3. For constructing a sewer and appurtenances from the sewer on the easterly side of the Riverside avenue, at One Hundred and Twenty-seventh street, across the avenue and westerly into the Riverside Park.

No. 4. For paving with trap-blocks Transverse Road No. 2, crossing the Central Park, from the west curb-line of the Fifth avenue entrance, at Seventy-ninth street, to the east curb-line of Eighth avenue, at Eighty-first street.

No. 5. For laying crosswalks at Willis and Morris avenues at their junction with Third avenue.

No. 6. For the erection of a carriage-shed at Mount St. Vincent, Central Park.

No. 7. For the erection of a ladies' cottage at Central Park.

The President presented a copy of the order made by Judge Van Brunt in the matter of the examination of the Commissioners of the Department upon the application of John Noble Stearns and others, which was ordered entered at length upon the minutes, as follows:

SUPREME COURT.

In the Matter

of

The application of John Noble Stearns, Joshua C. Sanders, Horace Winans, Edward A. Morrison and George H. Beyer, for the examination of Salem H. Wales, William M. Olliffe, John D. Crimmins, and Egbert L. Viele, Commissioners of Parks of the City of New York.

This proceeding having been adjourned to July 23, 1884, at 10.30 A. M., at the request of the applicants, and the applicants, by James W. Hawes, Esq., their counsel, at the adjourned time having applied for a further postponement of the proceeding, and further postponement having been opposed by the counsel for said Commissioners,

It was ordered and it is now hereby ordered that such further postponement be refused, and thereupon the Commissioners having desired to proceed with the introduction of evidence on their behalf, the applicants by their said counsel objected that the Commissioners had no right under the statute to introduce evidence, and the parties by their respective counsel having been heard,

And the counsel for the Commissioners stating that the applicants being put upon the record as making the objection they will not ask that it be overruled save in the respect hereinafter provided, it is hereby further ordered, without any decision of the objection by me, that the proceeding so far as concerns the introduction of evidence be closed, with the right to the Commissioners to make a motion before me to impose costs on those promoting the examination, and without prejudice to any right of the Commissioners or of the applicants to introduce evidence upon that motion.

July 24, 1884.

(Signed)

C. H. VAN BRUNT, J. S. C.

The following communications were received:

From the Clerk of the Board of Aldermen, transmitting a copy of a resolution adopted by said Board and approved by the Mayor, in relation to the sale of old and waste material.

From the Comptroller, in relation to the proposition of Dennis W. Moran to substitute a surety on his proposal for regulating, etc., One Hundred and Thirty-ninth street.

From the Comptroller, in relation to the proposition of Denis McGrath to substitute the sureties on his proposal for regulating, etc., One Hundred and Fifty-sixth street.

From the Comptroller, calling attention to the requirements of Regulation XVIII. of the "Regulations for admission to the Civil Service of the City of New York."

From F. Schwarz, Carl Kurz, Fred. A. Muller, and others, petitioning for the opening of Melrose avenue, in the Twenty-third Ward, in order that a sewer may be constructed therein at the earliest possible day.

From the Counsel to the Corporation, in relation to section 2 of chapter 457 of the Laws of 1884, being an act to alter the width of Trinity avenue, or Delmonico place, and stating that in his

opinion the intention of the Legislature by the passage of said act was to authorize the Park Commissioners to reduce the width of Trinity avenue, or Delmonico place, between One Hundred and Fifty-sixth street on the south and One Hundred and Sixty-fifth street on the north.

From John McQuade, reporting the completion of the work on his contract in connection with the Madison Avenue Bridge, and requesting an examination be made by the Engineer into the matter of any overtime there may be charged against him, as well as to the work performed by him in excess of the quantities called for in the contract, and asking that the check of \$250 deposited with his bid for trestle work be returned to him.

From Rev. James A. Mullin, petitioning on behalf of himself and others for the opening of Birch street.

From Fred. Griffenberg, Assistant Engineer, asking leave of absence for three months without pay.

From Theodore Weston, Architect, submitting plans and specifications for excavating on the Central Park for the proposed extension of the Metropolitan Museum of Art building.

From George Owen, on behalf of Orson P. Raynor, complaining of a float moored at the Third Avenue Bridge, over Harlem river.

From A. P. Boller, in relation to the extra lamps placed on the Madison Avenue Bridge, and stating that they were necessary for the proper lighting of the draw.

The President announced that the Keystone Bridge Company had completed their contract for erecting the superstructure of the Madison Avenue Bridge, the same was accepted, and the bridge was ordered opened for public travel as soon as the approaches thereto are in proper condition.

The following contracts were awarded:

For constructing sewers and appurtenances across the Eighth avenue, and in the Central Park at Eighty-eighth street—Bernard Mahon	\$4,130 00
For constructing a sewer and appurtenances from the sewer on the easterly side of the Riverside avenue, at One Hundred and Twenty-seventh street, across the avenue and westerly into the Riverside Park—J. S. Masterson	1,733 00
For paving with trap-blocks Transverse Road No. 2, crossing the Central Park, from the west curb-line of the Fifth avenue entrance at Seventy-ninth street to the east curb-line of Eighth avenue at Eighty-first street—George F. Doak	18,228 90
For laying crosswalks at Willis and Morris avenues, at their junction with Third avenue—Denis McGrath	1,684 87½
For erecting a carriage-shed at Mount St. Vincent, Central Park—James Brady	2,807 00
For building a ladies' cottage in Central Park—James Brady	4,950 00

The Secretary was directed to request the Comptroller to return to B. C. Murray the amount deposited by him with his proposal for regulating, grading, etc., Brook avenue.

Plans and specifications for the following works were approved and ordered advertised:

Regulating, etc., One Hundred and Sixtieth street, between Washington avenue and Railroad avenue, east.

Regulating, etc., One Hundred and Fifty-fourth street, from Courtland avenue to Morris avenue.

Constructing sewer in One Hundred and Sixty-second street, from Brook to Courtland avenue, and in Courtland avenue.

Constructing sewer in One Hundred and Seventieth street, between North Third avenue and Franklin avenue, and in Fulton avenue.

Excavating for the extension of the Metropolitan Museum of Art building.

The consent of this Department was given to the substitution of Michael McGrath, in lieu of Charles Jones, as one of the sureties on the contract awarded to Dennis W. Moran, for regulating, etc., One Hundred and Thirty-ninth street; and

To the substitution of John H. Boessennecker and Valentine Loewer, in lieu of Charles Jones and James Bowen, as sureties on the contract awarded Denis McGrath for regulating, etc., One Hundred and Fifty-sixth street.

The Secretary was directed to return to John McQuade the check for \$250 deposited by him with his estimate for trestle-work in connection with the Madison Avenue Bridge, said proposal never having been acted on by this Department.

The Topographical Engineer was directed to prepare grade and monument maps showing Cromwell avenue, from One Hundred and Fiftieth street to Endrow place; Endrow place, from Cromwell avenue to Jerome avenue; and One Hundred and Fiftieth street, from the channel line of Harlem river to a point where the title thereof is now vested in the public, being the easterly line of River avenue, and submit them to the Board for adoption.

It was ordered that application be made to the Board of Aldermen for the passage of a resolution authorizing this Department to purchase the necessary apparatus for heating the new refreshment building in Central Park, without public letting.

The Secretary was directed to notify the licensee of the new refreshment building in Central Park that said building would be completed and ready for his occupancy on September 1, 1884, and that his license will commence from that date.

A license for occupying and selling refreshments at the premises known as Claremont, on the Riverside Park, was granted to P. A. Bernard for the term of five years, he agreeing to pay to the Department a license fee of five per cent. of his gross receipts.

In view of the very unsatisfactory condition of the draw of the Third Avenue Bridge, and of the liability that at any time it may fail to operate, and thereby subject the travelling public to most serious inconvenience and delay, the matter was referred to the President to report at an early meeting of the Board what measures should be taken to provide a remedy, together with an estimate of the cost of such changes of said draw as may be deemed advisable and necessary.

Commissioner Wales announced to the Board his intention of being absent from the city for several weeks, and stated that he notified the Mayor to that effect.

The Treasurer was authorized to purchase such quantity of filling as may be required to bring to a proper grade the site of the sheds at the new refreshment building in Central Park, the expense of the same to be charged to the account for Construction.

The subject of the personnel of the Departmental office was referred to the President and Treasurer, with power to make such changes as may be necessary to promote the best interest of the Department.

Fred Griffenberg, Assistant Engineer, was granted leave of absence for three months, without pay.

In accordance with Regulation XVIII. of the Civil Service Regulations, the following named persons were appointed to the positions set opposite their names, respectively, subject to the further pleasure of this Board:

David Fanning, Gatekeeper.	Resigned.
C. Harrigan, Gatekeeper.	Appointed.
James Higgins, Gatekeeper.	
David Heilerty, Parkkeeper.	
H. McGonegal, Gatekeeper.	
Andrew Owens, Inspector.	
Patrick O'Hara, Steam Engineer.	
F. Reeves, Gatekeeper.	
The action of the Engineer of Construction in suspending Horace Crosby, Assistant Engineer, and in transferring	
N. McConaughy, Assistant Engineer,	
E. N. Cooper, Rodman,	
F. W. Dalrymple, Assistant, and	
F. L. Meyer, Computer,	
—was approved.	

It was ordered that the same number of employees be employed for duty on the Madison Avenue Bridge as are now employed on the Third Avenue Bridge.

The employment of—
16 laborers on drainage,
4 stone-masons, on entrances at Eighth avenue and Seventy-seventh and Eighty-first streets,
—was authorized.

The salary of Aneurin Jones, Superintendent of Parks, was fixed at \$4,000 per annum, to date from September 1st next.

Edward Drake, Parkkeeper,

Resigned.

Appointed.

James Flynn, Gatekeeper, at \$2 per day.

John McGuire, Gatekeeper, at \$2 per day.

Sydney Vreedenburg, Gatekeeper, at \$2 per day.

Bills amounting to \$58,745.03 were approved and transmitted to the Finance Department for payment.

E. P. BARKER, Secretary.

Abstract of Proceedings for the week ending August 30, 1884.

No meeting held this week.

Pay-rolls amounting to \$26,231.40 were approved and transmitted to the Finance Department for payment.

E. P. BARKER, Secretary.

DEPARTMENT OF DOCKS.

At a meeting of the Board of Docks, held August 20, 1884.

Present.—The full Board.

The minutes of the meetings held August 13th and 14th, instant, 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 Simon Stevens, attorney—In reference to the sale of bulkhead and wharf property on the North river, between Harrison and Hubert streets. Referred to executive session.

From Sigismund Beer, agent for Alfred E. Beach—Requesting permission to build a good and substantial crib work bulkhead at certain lots on Ward's Island, East river.

From Engineer-in-Chief:

1st. In reference to the repairs being made to the bulkhead north of Sixty-third street, East river, by T. & A. Walsh, contractors. Referred to the Engineer-in-Chief to report further as to the repairs required to be made thereat.

2d. Report on Secretary's Order No. 3841, submitting tracing, and report in relation to the ownership of Pier foot of Sixth street, East river. Secretary directed to request the opinion of the Counsel to the Corporation as to the title to the premises and as to the power and duties of the Board in respect to the matter. Secretary to also advise Mr. Webb of the action of the Board.

The following communications were received, read, and

On motion, placed on file, action being taken where necessary as stated, to wit:

From his Honor Mayor Edson—Enclosing notice served on him by the Fire Department relative to the condition of the building located on the Pier at the foot of Fifty-seventh street, North river. Subject matter referred to the Engineer-in-Chief, and Secretary directed to advise as to the action taken by the Board.

From the Common Council—Resolution respecting the sale of old and waste material under the care of any Department.

From Counsel to the Corporation:

1st. In reference to and requesting the Department to furnish him with a map or diagram of premises in Cromwell's Creek, on the north side of Harlem river; and also requesting Department to inform him if they had made any of the surveys, soundings, etc., as directed in section 713 of the Consolidation Act of 1882. Engineer-in-Chief to be directed to prepare diagram, and the Secretary directed to transmit the same, when prepared, to the Counsel to the Corporation.

2d. In reference to and requesting Department to furnish him with all the information in their possession in respect to the agreements made by the Department with Mr. Frank Phelps for the purchase of certain bulkhead and wharf property on the North river, between Beach and Hubert streets. Secretary directed to reply thereto, giving all the facts and transmitting copies of resolutions adopted by the Board in respect thereto.

3d. Copy of opinion given to the Comptroller of the City, respecting the right of this Department to purchase supplies of stationery, printing, etc., for its own use, and also in reference to advertising and hiring of offices.

From Comptroller of the City:

1st. Enclosing copy of opinion of the Counsel to the Corporation in reference to the purchase of supplies etc., by this Department, also enclosing vouchers of audit Nos. 8528 and 8551 for advertising, and suggesting that the Department submit the said vouchers to the Board of City Record for approval. Secretary to advise that the notice was sent to the CITY RECORD and returned by it with the memorandum that the appropriation for publishing short notices was exhausted, and that it was necessary to publish the same in order to proceed with the work of the Department, and to protect the interests of the City. Secretary to also send the vouchers to the Board of City Record that the same may be approved.

2d. Requesting to be informed whether any of the persons who received appointments to positions in the Department during the months of January and February, 1884, under Schedules B and C of Regulation II, have failed to receive permanent appointment as required by Regulation XVIII. Secretary directed to advise that there were no appointments made by the Department during the months of January and February, 1884, to which the Regulation would apply.

From Department of Street Cleaning—Requesting Department to dredge the slip at the foot of Canal street, North river. Engineer-in-Chief to be directed to examine and report.

From Fire Department—In relation to the building on Pier foot of Fifty-seventh street, North River. Subject matter referred to the Engineer-in-Chief.

From Department of Public Charities and Correction—Requesting Department to repair Branch Workhouse dock at Hart's Island, East river. Secretary directed to advise that proposals for doing the work will be advertised for in a few days.

From Police Department—Reporting holes in Pier at One Hundred and Twentieth street, Harlem river. The Secretary reporting that by direction of the Commissioners the Engineer-in-Chief had been directed to examine and report, his action was approved.

From Wm. Bishop—In reference to his application for permission to run a six-inch sewer-pipe through the bulkhead opposite No. 156 South street.

From New Jersey Steamboat Company—In reference to use of berth at Pier, old 41, North River. Subject matter referred to the Treasurer.

From Old Dominion Steamship Company:

1st. Requesting permission to repair the bulkhead between Piers, new 26 and old 36, North River. The Secretary stated that by direction of the Commissioners he had granted a permit therefor, the said work to be done under the supervision and direction of the Engineer-in-Chief; his action was approved.

2d. In reference to the execution of the contracts for the purchase by the Corporation of the City of New York of certain wharf property at Beach street, North river.

From Jacob Ruppert and George Ehret—Requesting permission to drive two piles as fenders to a twelve-inch suction pipe at the foot of Ninety-third street, Harlem river. Permission granted, to remain during the pleasure of the Board, the work to be done under the supervision and direction of the Engineer-in-Chief.

From Wm. P. Clyde & Co.—In reference to the dredging ordered to be done in the slips between Piers 33 and 34, East river, and stating that the person having the said matter in charge will not be in town for ten days. The time to do the said dredging extended for fifteen days.

From Louis Strauss & Co.—Requesting that a test be made of a barrel of cement to be furnished by him. The Secretary stating that by direction of Commissioner Voorhis, the Engineer-in-Chief had been directed to make a test of the same, his action was approved.

From S. L. Merchant & Co.—Requesting that a test be made of a barrel of cement to be furnished by them. The Secretary stating that by direction of the President the Engineer-in-Chief had been directed to make a test of the same, his action was approved.

From the Maritime Association of the Port of New York—Acknowledging receipt of notices respecting Dock Masters.

From Richard Parrott—Requesting the use of two mud-scows belonging to the Department, and agreeing to pay \$5 per day each for the use thereof. Subject matter referred to the Treasurer.

From Engineer-in-Chief:

1st. Reporting the assignment of employees to special duty other than that to which they were appointed. Secretary directed to notify the bookkeeper.

2d. Reporting that he had given orders that Laborer Acting Watchman Michael Broderick be not again assigned to duty as watchman, and recommending that his action be approved. The action of the Engineer-in-Chief approved.

3d. Reporting that new spring piles are needed and refastening of backing-log required at Pier, old 34, North river. Engineer-in-Chief to be directed to do the work.

4th. Reporting amount of work done during the week ending August 16, 1884.

5th. Reporting that he had suspended Watchman Wm. J. Ferguson for being found asleep while on duty on the night of August 16, 1884. The action of the Engineer-in-Chief approved, and the said watchman discharged.

6th. Report on Secretary Order No. 3599, that he had repaired the bulkhead foot of Forty-third street, East river.

7th. Report on Secretary's Order No. 3861, that he had superintended and directed the erection of a gangway on the north side of Pier 18, North river.

8th. Report on Secretary's Order No. 3862, that repairs to the backing-log on the north side of Pier, old 24, North river, had been made under his supervision.

9th. Report on Secretary's Order No. 3866, in reference to and reporting the condition of and repairs required to the pier at the bakery on the east side of Blackwell's Island, East river. The Engineer-in-Chief to be directed to repair the said pier in accordance with his report.

10th. Report on Secretary's Order No. 3870, that he had repaired the Pier foot of Third street, East river.

11th. Report on Secretary's Order No. 3876, that he had superintended and directed the repairing of the bulkhead foot of Thirtieth street, East river.

12th. Report on Secretary's Order No. 3833, that he had closed the gangway on Pier at One Hundred and Ninth street, Harlem river (formerly used by the Fire Department), and removed the gangplank to the Department yard foot of Seventeenth street, East river.

13th. Report on Secretary's Order No. 3773, that he had superintended the repairing of the sheathing and piling at Pier, old 39 North river.

14th. Report on Secretary's Order No. 3621, that repairs to the ferry-racks at Piers 14 and 15, North river, had been made under his supervision.

From Abram Durjee, Dock Master—Reporting that he had served a notice on Mr. Isaac Martin, in respect to repairs made to the Pier at Fort Washington.

From Edward Abeel, Dock Master—Reporting a broken plank on the upper side of Pier 43, East river.

From Charles H. Thompson, Dock Master—Reporting a hole in the planking of the bulkhead between Piers 18 and 19, East river. Engineer-in-Chief to examine and repair if necessary.

From John M. Smith, Dock Master:

1st. Reporting that the surface of the bulkhead between Piers, old 54 and West Eleventh street, North river, is in a dangerous condition. Engineer-in-Chief to be directed to examine and report.

2d. Recommending that the temporary shed in front of Pier (new) 46, North river, be taken down so as the two gateways can be used. Engineer-in-Chief to be directed to examine and report.

3d. Recommending that two cleats be fastened on backing-piece at bulkhead between Piers (new) 46 and 47, North river. Engineer-in-Chief to be directed to do the work.

From John Callan, Dock Master—Reporting that he had served a notice on Jeremiah Reid, owner of the scow "Surry," on August 16th, inst., notifying him not to place any more sand on the end of the Pier at One Hundred and Twenty-fifth street, Harlem river, as it would endanger the use of the said pier; his order was not complied with, and during the night the end of the pier fell in. Penalty of \$250 imposed on Jeremiah Reid for violation of Rule 3, and the Secretary directed to notify him to call and pay the said amount to the treasurer of this Department within five days, or the claim will be sent to the Counsel to the Corporation for collection.

The communication from the Trustees of the New York and Brooklyn Bridge, requesting permission to run a sewer out through the bulkhead south of Pier 29, East river, was taken from the table, and with the report from the Engineer-in-Chief on Secretary's Order No. 3867, in relation thereto, which was received and read, was ordered to be placed on file, permission being granted to run a sewer through the bulkhead thereat, to remain during the pleasure of the Board, and the work to be done under the supervision and direction of the Engineer-in-Chief.

On motion of Commissioner Laimbeer, the Secretary was directed to request information from the Counsel to the Corporation, as to the present status of the proceedings requested to be taken to obtain possession of Pier 62, East river.

Commissioner Voorhis offered the following resolution, which was unanimously adopted:

Resolved, That the Engineer-in-Chief be and hereby is directed not to assign hereafter to work for this Department, persons who have been appointed as laborers, watchman or dock builders, who have been absent from their duties for a period of three successive working days or nights, unless said absence has been authorized by a member of the Board, or by the Engineer-in-Chief, or is occasioned by the sickness of the employee or some member of his family, and which has been duly reported to the Engineer-in-Chief, within twenty-four hours of the commencement of said absence, and the names of any and all persons so unassigned to duty shall be reported at the next subsequent meeting of the Board.

Commissioner Laimbeer offered the following preambles and resolution, which were unanimously adopted:

Whereas, the work of paving and the laying of crosswalks on the newly-made land west of the westerly line of West street, between Hoboken and Morton streets, under the several contracts heretofore entered into, was not completed in accordance with the requirements and conditions of the said contracts; and

Whereas, in consequence thereof certain deductions were made from the contract price agreed to be paid for fully performing the work; and

Whereas, it is deemed proper by the Board that the same should be completed at the present time, and that it is for the best interests of the City that the work should be done by the force of the Department; therefore be it unaniously

Resolved, That the Engineer-in-Chief be and hereby is directed to take up and relay so much of the crosswalks as are not at the proper grade, and such portions of the pavement of the newly-made land between Hoboken and Morton streets, North river, as is now, in consequence of the settling of the filling under the same, below the proper grade, and that all the work hereby ordered be performed otherwise than by contract, as provided in section 714, chapter 410, Laws of 1882, and that it be done by the force of the Department, by days' work, except so much of the labor as is now or may hereafter be contracted for, and that all the material, tools, and implements necessary therefor and not heretofore contracted for, or which may not hereafter be contracted for, be purchased by the Treasurer otherwise than by contract.

Commissioner Voorhis, the Treasurer of the Board, presented his report of receipts for the week ending August 19, 1884, which was received, read and ordered to be placed on file, and the Secretary directed to enter the same in full on the minutes as follows:

DATE.	FROM WHOM.	FOR WHAT.	AMOUNT.	TOTAL.	DATE OF DEPOSIT
1884.					1884.
Aug. 14	Thos. Clyde.....	1 qrs. rent, piers 33 & 34, etc., E. R.	\$3,250 00		
" 14	John McDonald.....	50 filling-in tickets, at 20 cents.....	10 00		
" 14	Michael Shannon.....	20 " " " " " " " " " " " "	4 00		
" 15	Jas. McConnon.....	10 " " " " " " " " " " " "	2 00		
" 15	Sam. Lowden.....	100 " " " " " " " " " " " "	20 00		
" 16	S. L. Merchant & Co.....	For test of cement.....	10 00		
" 16	F. S. Lathrop.....	1 qrs. rent, parts Piers 12, 13 and 14, etc., N. R.	8,812 50		
" 16	Central R. R. Co. of N. J.....	1 qrs. rent, pfm. bet. Piers 12 & 14, N. R.	400 00		
" 16	Central R. R. Co. of N. J.....	1 qrs. rent, pfm. S. side Pier 8, N. R.	375 00		
" 18	Chas. H. Thompson.....	Whfg. Dist. No. 1, to 16th instant, incl.	693 59		
" 18	Geo. W. Wanmaker.....	" " 2, " " " " " " " " " " " "	484 51		
" 18	Edward Abeel.....	" " 3, " " " " " " " " " " " "	324 36		
" 18	John M. Smith.....	" " 4, " " " " " " " " " " " "	391 99		
" 18	Bernard Kenney.....	" " 5, " " " " " " " " " " " "	108 35		
" 18	John Callan.....	" " 9, " " " " " " " " " " " "	25 50		
				\$14,912 80	Aug. 13
" 19	Edward Gilon.....	" " 6, " " " " " " " " " " " "	\$359 03		
" 19	Robt. Hall.....	" " 7, " " " " " " " " " " " "	80 93		
" 19	Ab'm Durjee.....	" " 8, " " " " " " " " " " " "	84 01		
" 19	Thos. McKeon.....	100 filling-in tickets, at 20 cents.....	20 00		
" 19	Thos. Mulry & Son.....	100 " " " " " " " " " " " "	20 00		
				563 97	
				\$15,476 77	

Respectfully submitted,

JOHN R. VOORHIS, Treasurer.

The following requisitions were read, and, On motion, approved:

Register No.	Estimated cost,	
4821. For about 84 sound and straight spruce piles.....	\$336 00	
4822. For 370 cubic yards of sand.....	270 10	
4823. For 740 cubic yards broken stone.....	1,258 00	
4824. For 2 rolled iron beams.....	17 00	
4825. For about 740 cubic yards broken stone.....	1,258 00	
4826. For about 400 cubic yards sand.....	292 00	
4827. For 36 canal barrows.....	54 00	
4828. For 300 feet rubber hose couplings, etc.....	18 00	
4829. For one lot of spruce.....	169 40	
4830. For 1,000 two-bushel bags, 1,000 two-and-one-half-bushel bags, 1,000 three-bushel bags.....	210 00	
4831. For 90 tons egg coal.....	378 00	
4832. For test of 10 samples (more or less) of iron.....	30 00	
4833. For 3,000 feet 3-inch spruce plank.....	60 00	

Requisition No.

237. For 1 thermometer and barometer combined.....
For 1 thermometer.....

The Board here went into executive session.

A certificate from the Municipal Civil Service Examining Board, that Nicholas J. Van der Weyde had been found qualified for the position of Draughtsman, was received, read and ordered to be placed on file, and the following resolution in relation thereto unanimously adopted:

Resolved, That Nicholas J. Van der Weyde be and hereby is appointed Draughtsman, at a compensation at the rate of \$1,000 per annum.

Commissioner Laimbeer offered the following resolution, which was unanimously adopted: Resolved, That Charles H. Thompson be and hereby is appointed Inspector of Pier Building, to take effect on and after this date, at a compensation of 50 cents per hour.

The following additional appointments were then made:

On motion of President Stark
Richard Kearney,
Samuel Morrison,
Martin Keit,
Dennis McCarthy,
—as Laborers, and
Patrick Donohue as Watchman, in place of Wm. J. Ferguson, discharged.
On motion of Commissioner Laimbeer,
William H. Riley,
Michael Hays,
John Roddy, No. 1,
James Smith,
—as Laborers.
On motion of Commissioner Voorhis,
John Fox,
Gustave Peterson,
Patrick Callahan,
Michael Laughlin,
—as Laborers, and
B. J. Hanfee, as Watchman.

James Dowling,
Patrick Fleming,
Wm. J. Beers,
Edward Mack,

Martin Monaghan,
John Murray,
John Fulton,
Patrick Hearn,

Thomas Mitchell,
John Roddy, No. 2,
Jeremiah Fitzpatrick,
Thomas Mahon,

The Secretary reporting that the pay-rolls for the General Repairs and Construction force, for the half month ending August 15, 1884, amounting in the aggregate to the sum of \$7,664.89 had been audited and approved, and that he had forwarded the same, together with proper requisitions for the amounts, to the Finance Department for payment, his action was approved.

On motion, the Board adjourned.

JOHN T. CUMING, Secretary.

AQUEDUCT COMMISSION.

Minutes of the Stated Meeting of the Aqueduct Commissioners, held at their office, No. 78 Tribune Building, Wednesday, September 3, 1884, at 3 o'clock P. M.

Commissioners present—The Mayor, the Comptroller, Commissioner of Public Works, and Commissioner William Dowd.

Also, Chief Engineer Church, Executive Engineer Fteley, and Chief Engineer Newton, of the Department of Public Works.

The minutes of the stated meeting of August 27th, ultimo, were read and approved. The Committee of Finance and Audit reported the examination and audit of the bills included in vouchers Nos. 316 to 323, inclusive, which vouchers were, on motion of the Comptroller, approved and ordered certified to the Comptroller for payment.

In compliance with the directions of the Commissioners of February 20, 1884, Chief Engineer Church submitted to the Commissioners a report, dated September 3, 1884, with forms of contract and specifications for that part of the Aqueduct tunnel between the Harlem river and the north line of the city, with such "amplifications, modifications and changes" as he deemed requisite to adapt said forms to the present plans and manner of constructing said Aqueduct.

On motion of Commissioner Dowd, the report was accepted, and the Secretary directed to transmit the amended forms to the Commissioner of Public Works, with the request that he examine them, and return them to this Commission with any recommendations in relation thereto that he may deem requisite for the more efficient carrying out of the provisions of the law or the construction of said Aqueduct; and the Chief Engineer was instructed to place at the disposal of the Department of Public Works all plans referred to in explanation of said amended forms.

The Chief Engineer then submitted a list of applicants for the position of rodman or chainman in the Engineer Corps of this Commission, and the Secretary was directed to communicate at once with the Secretary of the Municipal Service Examining Board, and to take the proper steps to obtain an early examination of said applicants by the said Board.

The Secretary reported the receipt from the Counsel to the Corporation of a certified copy of the filing on this day of the oath of office of Messrs. E. Ellery Anderson, Henry F. Spaulding and Robert Murray, appointed August 23, 1884, as Commissioners of Appraisal to value property taken or affected by the new Aqueduct within the City and County of New York.

The Commissioners then adjourned.

JAMES W. McCULLOH, Secretary.

APPROVED PAPERS.

Whereas, By resolution approved December 23, 1876, all incorporated gas companies were permitted "to lay gas mains and pipes in the streets, avenues and public places in this city for the purpose of supplying gas to the City and its inhabitants, upon such conditions as may be first prescribed and approved of by his Honor the Mayor, the Comptroller, and the Commissioner of Public Works, who are now by law authorized to make provision for lighting the streets of the City; and

Whereas, Since the passage of the aforesaid resolution by the Common Council, several incorporated gas companies have obtained permission, under conditions prescribed and approved by the city officers therein named, to lay gas-pipes in many of the streets, avenues and public places, and have in good faith complied with the said conditions, and are now supplying, or are nearly ready to supply, gas to the City and its inhabitants; and

Whereas, At the General Term, May, 1884, of the Court of Common Pleas, in the suit of Elbert Ellery Anderson, appellant, against the Equitable Gas-light Company of New York and Hubert O. Thompson, respondents, it was held substantially that "there is no provision in the law itself authorizing them (the Common Council) to delegate this power, and that the case falls within the settled principle that powers of this description cannot be delegated," but must be regarded as "public powers and trusts, devolved by law or charter upon the Common Council, or governing body, to be exercised by it when and in such manner as it shall judge best, and cannot be delegated to others," and that "there is no provision of law authorizing the Mayor, Comptroller, and Commissioner of Public Works to decide the manner or upon what conditions the defendant corporation may open the streets to lay its mains, and any permit founded upon their action in the premises, confers no license, and is void;" and

Whereas, It would be manifestly unjust to the gas companies, who have acted throughout in good faith and have complied with the provisions of the resolution of December 23, 1876, to enforce the principle embraced in the decision, which, in effect, declares them to be trespassers upon the property of the public—as a void permission is no permission—and any disturbance of the relations now existing between these several companies and this City and its inhabitants, would be injurious to both; while the continued existence of the resolution of 1876, which has produced such unsatisfactory results, would be both unwise and inexpedient: in order, therefore, that no injustice may be done the gas companies, or injury inflicted upon the City or its inhabitants, be it

Resolved, That the ordinance or resolution of the Common Council, adopted by the Board of Aldermen December 21, 1876, and approved by the Mayor, December 23, 1876, as follows, viz: "Resolved, That permission be and is hereby given to all incorporated gas-light companies to lay gas-mains and pipes for the purpose of supplying gas to the City and its inhabitants upon such conditions as may be prescribed and approved by his Honor the Mayor, the Comptroller, and the Commissioner of Public Works, who are now by law authorized to make provision for lighting the streets of the City," be and the same is hereby repealed, but this repeal shall not prejudice or effect any right, interest, privilege or power which has heretofore arisen, accrued or been conferred by the said ordinance or resolution, and by the action of his Honor the Mayor, the Comptroller and the Commissioner of Public Works following thereon, as such right, interest, privilege, or power now exists, and every such right, interest, privilege or power conferred, given or granted by the said Mayor, the Comptroller and the Commissioner of Public Works, under and by the terms and provisions of the said resolution of December 23, 1876, are hereby confirmed, ratified and approved.

Adopted by the Board of Aldermen, August 18, 1884.

Received from his Honor the Mayor, September 1, 1884, without his approval or objections thereto; therefore, as provided in section 75, chapter 410, Laws of 1882, the same became adopted.

Resignation of M. J. Shandley as a Commissioner of Deeds.

Resolved, That Morris H. Brown be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of Michael J. Shandley, who has resigned.

Resignation accepted and resolution adopted by the Board of Aldermen, September 1, 1884.

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE,
NEW YORK, May 8, 1884.

In pursuance of the ordinances, approved April 30, 1877, and June 1, 1877, each of which is entitled "An ordinance to prevent the danger of hydrophobia to any of the inhabitants of the City of New York," notice is hereby given that all dogs found at large in the City of New York on and after June 1, 1884, contrary to such ordinances will be seized and disposed of as provided therein.

The Dog Pound at the foot of Sixteenth street, East river, is hereby designated as the place where dogs so captured must be delivered to the Keeper thereof. The pound will be open from eight o'clock A. M. until five o'clock P. M. daily, Sundays excepted, on and after the first day of June next.

FRANKLIN EDSON,
Mayor.

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.
FRANKLIN EDSON, Mayor; WILLIAM E. LUCAS, Secretary; AUGUSTUS WALSH, Chief Clerk.
Mayor's Marshal's Office.
No. 1 City Hall, 9 A. M. to 4 P. M.
GEORGE A. McDERMOTT, First Marshal.
Permit Bureau Office.
No. 13½ City Hall, 9 A. M. to 4 P. M.
HENRY WOLTMAN, Registrar.

COMMISSIONERS OF ACCOUNTS.

No. 1 County Court-house, 9 A. M. to 4 P. M.
GEO. EDWIN HILL, ANDREW B. MARTIN.

AQUEDUCT COMMISSIONERS.

Room 78, Tribune Building, 9 A. M. to 5 P. M.
THE MAYOR, President; JAMES W. McCULLOH, Secretary; BENJAMIN S. CHURCH, Chief Engineer.

LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.
No. 5 City Hall, 10 A. M. to 4 P. M.
WILLIAM P. KIRK, President Board of Aldermen.
FRANCIS J. TWOMEY, Clerk Common Council.
City Library.
No. 12 City Hall, 10 A. M. to 4 P. M.

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

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

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

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

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.
DAVID L. SMITH, Water Purveyor.

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.
GEO. E. BABCOCK, Superintendent.

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

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

FINANCE DEPARTMENT.

Comptroller's Office.
Nos. 19 and 20 New County Court-house, 9 A. M. to 4 P. M.
HASTINGS GRANT, Comptroller; RICHARD A. STOKES, Deputy Comptroller.

Auditing Bureau.
No. 19 New County Court-house, 9 A. M. to 4 P. M.
WM. J. LYON, Auditor of Accounts.
DAVID E. AUSTEN, Deputy Auditor.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.
No. 5 New County Court-house, 9 A. M. to 4 P. M.
ARTEMAS S. 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.
FRANCIS TOMES, Collector of the 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 VREDEBURG, Deputy Receiver of Taxes.

Bureau of the City Chamberlain.
No. 18 New County Court-house, 9 A. M. to 4 P. M.
HENRY B. LAIDLAW, 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.
Staats Zeitung Building, third floor, 9 A. M. to 5 P. M.
Saturdays, 9 A. M. to 4 P. M.
E. HENRY LACOMBE, 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.
JACOB HESS, President, GEORGE F. BRITTON, Secretary.

FIRE DEPARTMENT.

Office hours for all except where otherwise noted from 9 A. M. to 4 P. M. Saturdays, to 3 P. M.

Headquarters.
Nos. 155 and 157 Mercer street.
CORNELIUS VAN COTT, President; CARL JUSSEN, Secretary.

Bureau of Chief of Department.
CHARLES O. SHAY, Chief of Department.

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

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

Bureau of Inspection of Buildings.
WM. P. ESTERBROOK, Inspector of Buildings.

Attorney to Department.
WM. L. FINDLEY, Nos. 155 and 157 Mercer street.

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

Central Office Fire Alarm Telegraph open at all hours.

Repair Shops.
Nos. 128 and 130 West Third street.
JOHN CASTLES, Foreman-in-Charge, 8 A. M. to 5 P. M.

Hospital Stables.
99th street, between 9th and 10th avenues.
JOSEPH SHEA, Foreman-in-Charge.
Open at all hours.

HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.
ALEXANDER SHALER, President; EMMONS CLARK, Secretary.

DEPARTMENT OF PUBLIC PARKS.

No. 36 Union Square, 9 A. M. to 4 P. M.
EGBERT L. VIELE, President; 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.
LUCIUS J. N. STARK, President; JOHN T. CUMING, Secretary.

Office hours from 9 A. M. to 4 P. M. daily, except Saturdays; on Saturdays as follows: from September 15 to June 15, from 9 A. M. to 3 P. M.; from June 15 to September 15, from 9 A. M. to 12 M.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M.
Saturdays, 3 P. M.
THOMAS B. ASTEN, President; FLOYD T. SMITH, Secretary.

Office Bureau Collection of Arrears of Personal Taxes.
Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
CHARLES S. BEARDSLEY, Attorney; WILLIAM COMBERFORD, Clerk.

DEPARTMENT OF STREET CLEANING.

31 and 32 Park Row, "World" Building, Rooms 8 and 9, 9 A. M. to 4 P. M.
JAMES S. COLEMAN, Commissioner; A. H. ROGERS, Deputy Commissioner; M. J. MORRISON, Chief Clerk.

BOARD OF ASSESSORS.

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

BOARD OF EXCISE.

Corner Bond street and Bowery, 9 A. M. to 4 P. M.
NICHOLAS HUGHTON, President; JOHN K. PERLEY, Secretary and Chief Clerk.

SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.
ALEXANDER V. DAVIDSON, Sheriff; JOEL O. STEVENS, Under Sheriff; DAVID MCGONIGAL, Order Arrest Clerk.

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
JOHN REILLY, 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; JAMES E. CONNER, Deputy Commissioner.

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.
PATRICK KERMAN, County Clerk; H. S. BEATTIE, Deputy County Clerk.

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
PETER B. OLNEY, 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, 8 A. M. to 5 P. M. Sundays and Holidays, 8 A. M. to 12:30 P. M.
 PHILIP MERRITT, THOMAS LEVY, BENJAMIN F. MARTIN and WILLIAM H. KENNEDY, Coroners; JOHN T. TOAL, 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; PATRICK KEENAN, Clerk.

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

COURT OF COMMON PLEAS.
 Third floor, New County Court-house, 11 A. M.
 Assignment Bureau, Room No. 23, 9 A. M. to 4 P. M.
 Clerk's Office, Room No. 22, 9 A. M. to 4 P. M.
 General Term, Room No. 24, 11 o'clock A. M. to adjournment.
 Special Term, Room No. 21, 11 o'clock A. M. to adjournment.
 Chambers, Room No. 21, 10:30 o'clock A. M. to adjournment.
 Part I, Room No. 25, 11 o'clock A. M. to adjournment.
 Part II, Room No. 26, 11 o'clock A. M. to adjournment.
 Part III, Room No. 27, 11 o'clock A. M. to adjournment.
 Naturalization Bureau, Room No. 25, 9 A. M. to 4 P. M.
 CHARLES P. DALY, Chief Justice; NATHANIEL JARVIS, Jr., Chief Clerk.

COURT OF GENERAL SESSIONS.
 No. 32 Chambers street. Parts I and II. Court opens at 11 o'clock A. M.
 FREDERICK SMYTH, Recorder; HENRY A. GILDER-SERVE and RUFUS D. COWING, Judges of the said Court.
 Terms, first Monday each month.
 JOHN SPARKS, Clerk. Office, Room No. 11, 10 A. M. till P. M.

CITY COURT.—CITY HALL.
 General Term, Room No. 20.
 Trial Term, Part I, Room No. 20.
 Part II, Room No. 19.
 Part III, Room No. 15.
 Special Term, Chambers, Room No. 21, 10 A. M. to 4 P. M.
 Clerk's Office, Room No. 10, City Hall, 9 A. M. to 4 P. M.
 DAVID MACADAM, Chief Justice; JOHN REID, Clerk.

OVER AND TERMINER COURT.
 New County Court-house, second floor, southeast corner, Room No. 13. Court opens at 10½ o'clock A. M.
 Clerk's Office, Brown-stone Building, City Hall Park, second floor, northwest corner, Room No. 11, 10 A. M. till 4 P. M.

COURT OF SPECIAL SESSIONS.
 At Tombs, corner Franklin and Centre streets, Daily at 10:30 A. M., excepting Saturday.
 Clerk's Office, Tombs.

DISTRICT CIVIL COURTS
 First District.—First, Second, Third, and Fifth Wards, outmost corner of Centre and Chambers streets.
 MICHAEL NORTON, Justice.
 Clerk's office open from 9 A. M. to 4 P. M.
 Second District.—Fourth, Sixth, and Fourteenth Wards corner of Pearl and Centre streets, 9 A. M. to 4 P. M.
 CHARLES M. CLANCY, Justice.
 Third District.—Ninth and Fifteenth Wards, southwest corner Sixth avenue and West Tenth street. Court open daily (Sundays and legal holidays excepted), from 9 A. M. to 4 P. M.
 GEORGE W. PARKER, Justice.
 Fourth District.—Tenth and Seventeenth Wards, No. 30 First street, cor. Second avenue. Court opens, 9 A. M. daily; continues to close of business.
 ALFRED STECKLER, Justice.
 Fifth District.—Seventh, Eleventh, and Thirteenth Wards, No. 154 Clinton street.
 JOHN H. MCCARTHY, Justice.
 Sixth District.—Eighteenth and Twenty-first Wards No. 61 Union Place, Fourth avenue, southwest corner of Eighteenth street. Court opens 9 A. M. daily; continues to close of business.
 WILLIAM H. KELLY, Justice.
 Seventh District.—Nineteenth and Twenty-second Wards, No. 151 East Fifty-seventh street. Court open every morning at 9 o'clock (except Sundays and legal holidays), and continues to the close of business.
 ANDREW MONELL, Justice.
 Eighth District.—Sixteenth and Twentieth Wards, southwest corner of Twenty-second street and Seventh avenue. Court opens at 9 A. M. and continues to close of business. Clerk's office open from 9 A. M. to 4 P. M. each court day.
 FREDERICK G. GARDNER, Justice.
 Ninth District.—Twelfth Ward, No. 225 East One Hundred and Twenty-fifth street.
 HENRY P. MCGOWN, Justice.
 Clerk's office open from 9 A. M. to 4 P. M. Trial days Tuesdays and Fridays. Court opens at 9½ A. M.
 Tenth District.—Twenty-third and Twenty-fourth Wards, corner of Third avenue and One Hundred and Fifty-eighth street.
 Office hours, from 9 A. M. to 4 P. M. Court opens at 9 A. M.
 JAMES R. ANGELL, Justice.

POLICE COURTS.

Judges.—MAURICE J. POWER, J. HENRY FORD, JACOB PATTERSON, JR., JAMES T. KILBRETH, JOHN J. GORMAN, HENRY MURRAY, SOLOM B. SMITH, ANDREW J. WHITE, CHARLES WELDE, DANIEL O'REILLY, PATRICK G. DUFFY.
 GEORGE W. CREGIER, Secretary.

Office of Secretary, Fifth District Police Court, One Hundred and Twenty-fifth street, near Fourth avenue.
 First District.—Tombs, Centre street.
 Second District.—Jefferson Market.
 Third District.—No. 65 Essex street.
 Fourth District.—Fifty-seventh street, near Lexington avenue.
 Fifth District.—One Hundred and Twenty-fifth street near Fourth avenue.
 Sixth District.—One Hundred and Fifty-eighth street and Third avenue.

FIRE DEPARTMENT.

HEADQUARTERS
 FIRE DEPARTMENT, CITY OF NEW YORK,
 155 & 157 MERCER STREET,
 NEW YORK, NOV. 21, 1883.
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
 CORNELIUS VAN COTT, President.
 HENRY D. PURROV,
 RICHARD CROKER,
 Commissioners

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
 COMMISSIONER'S OFFICE,
 No. 31 CHAMBERS STREET,
 NEW YORK, NOV. 1, 1883.
PUBLIC NOTICE IS HEREBY GIVEN TO
 the New York City Consolidated Act of 1882, among other matters relating to Croton water rates and affecting all properties liable for Croton water charges, is embraced in the following: "Title 2. Duties and Powers of the Department of Public Works as to Procuring and Distributing Water."
 § 330. The Commissioner of Public Works shall, from time to time, establish scales of rents.
 Such rents shall be collected from the owners or occupants of all such buildings, respectively, which shall be situated upon lots adjoining any street or avenue in said city in which the distributing water-pipes are or may be laid, and from which they can be supplied with water, said rents shall become a charge and lien upon such houses and lots, respectively, as provided by law.
 It becomes my duty to state that on and after the first day of April, 1884, all extra charges, such as steam-engines, bakeries, barbers, bathing-tubs, boarding-houses, boarding-schools, building purposes, horses, horse-troughs, hotels, porter-houses, taverns, etc., printing offices, stone cutting or dressing, slaughter-houses, dyeing, water-closets and urinals, laundries, restaurants, soda fountains, extra families, oyster and coffee saloons, water by meter measurement, meters and meter setting, and all other purposes for which the use of Croton water is chargeable according to law, are liens, and unless paid on or before the 30th day of April next must be returned to the Clerk of Arrears, with the amount due on each lot.

HUBERT O. THOMPSON,
 Commissioner of Public Works.

HEALTH DEPARTMENT.

HEALTH DEPARTMENT OF THE CITY OF NEW YORK,
 No. 301 MOTT STREET,
 NEW YORK, AUG. 25, 1884.

AT A MEETING OF THE BOARD OF HEALTH
 of the Health Department of the City of New York, held at its office on the 20th day of August, 1884, the following resolution was adopted:

Resolved, That under the power conferred by law upon the Health Department, the following additional clause to the Sanitary Code of the said city of New York, health, be and the same is hereby adopted and declared to form a portion of the Sanitary Code:

Section 209. Water from wells in the City of New York shall not be used for drinking, or for lodging, or for house, hotel, manufactory or building in which persons are living or employed, or in which there are offices, restaurant or saloon, except under and pursuant to the conditions of a permit, in writing, from the Health Department.

ALEXANDER SHALER,
 President.

EMMONS CLARK,
 Secretary.

JURORS.

NOTICE IN RELATION TO JURORS FOR STATE COURTS.

OFFICE OF THE COMMISSIONER OF JURORS,
 NEW COUNTY COURT-HOUSE,
 NEW YORK, JUNE 1, 1883.
APPLICATIONS FOR EXEMPTIONS WILL BE
 heard here, from 10 to 3 daily, from all persons hitherto liable or recently serving who have become exempt, and all needed information will be given.

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

Persons "enrolled" as liable must serve when called or pay their fines. No mere excuse will be allowed or interference permitted. The fines if unpaid will be entered as judgments upon the property of the delinquents. All good citizens are requested to give names for jury enrollment. Persons between sixty and seventy years of age, summer absentees, persons temporarily ill, and United States and District Court jurors are not exempt. Every man must attend to his own notice. It is a misdemeanor to give any jury paper to another to answer. It is also punishable by fine or imprisonment to give or receive any present or bribe, directly or indirectly, in relation to a jury service, or to withhold any paper or make any false statement, and every case will be fully prosecuted.

GEORGE CAULFIELD,
 Commissioner of Jurors,
 Room 17, New County Court-house

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 16, 1884, at 4 o'clock P. M.
 LAWRENCE D. KIERNAN,
 Secretary.

New York, September 9, 1884.

FINANCE DEPARTMENT.
PROPOSALS FOR \$350,000 DOCK BONDS OF THE CITY OF NEW YORK.

EXEMPT FROM CITY AND COUNTY TAXATION.

SEALED PROPOSALS WILL BE RECEIVED AT
 the office of the Comptroller of the City of New York, until Wednesday, the 17th day of September, 1884, at 2 o'clock P. M., when they will be publicly opened by the Comptroller, in the presence of the Commissioners of the Sinking Fund, or such of them as shall attend, for the whole or a part of the following bonds of the City of New York, to wit:

DOCK BONDS OF THE CITY OF NEW YORK
 authorized by section 143, New York City Consolidation Act of 1882, for..... \$350,000

Said bonds will bear interest at the rate of Three per centum per annum, payable semi-annually on the first day of May and November, in each year, and the principal sum will be payable November 1, 1914.

The said bonds will be issued as Registered Bonds, redeemable in lawful money of the United States of America, and will be *Exempt from Taxation by the City and County of New York*, but not from taxation for State purposes under an ordinance of the Common Council, approved by the Mayor October 2, 1880, and a resolution of the Commissioners of the Sinking Fund, adopted February 1, 1884, as provided by section 137, New York City Consolidation Act of 1882.

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

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

The proposals should be enclosed in a sealed envelope, and each proposal should also be enclosed in a second envelope, addressed to the Comptroller of the City of New York.

S. HASTINGS GRANT,
 Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
 COMPTROLLER'S OFFICE, SEPT. 5, 1884.

NOTICE OF SALE OF LANDS AND TENEMENTS FOR UNPAID ASSESSMENTS.

CITY OF NEW YORK—FINANCE DEPARTMENT,
 BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES AND ASSESSMENTS
 AND OF WATER RENTS,
 OFFICE OF THE COLLECTOR OF ASSESSMENTS
 AND CLERK OF ARREARS,
 August 20, 1884.

UNDER THE DIRECTION OF S. HASTINGS GRANT, Comptroller of the City of New York, undersigned hereby gives Public Notice, pursuant to the provisions of Section 926 of the New York City Consolidation Act of 1882, that the respective owners of all the lands and tenements on which assessments have been laid and confirmed during the year 1879 and prior thereto, upon which such assessments are now due and unpaid and have remained due and unpaid since the amount of the assessments so due and unpaid, remaining unpaid to the Collector of Assessments and Clerk of Arrears, at his office in the Finance Department, in the City of New York, together with the interest thereon at the rate of 7 per cent. per annum, to the time of payment, with the charges of this notice and advertisement.

And if default shall be made in such payment, such lands and tenements will be sold at public auction, in the Court-house, in the City Hall Park, in the City of New York, Monday, November 24, 1884, at 12 o'clock noon, for the lowest term of years for which any person shall offer to purchase, in consideration of the amount of the assessment so due and unpaid, and the interest thereon as aforesaid to the time of the sale, together with the charges of this notice and advertisement, and all other costs and charges accrued thereon, and that such sale will be continued, from time to time, until all the lands and tenements advertised for sale shall be sold.

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

A. S. CADY,
 Collector of Assessments and Clerk of Arrears.

NOTICE OF POSTPONEMENT OF SALE OF LANDS AND TENEMENTS FOR UNPAID ASSESSMENTS FOR OPENING, WIDENING, EXTENDING AND STRAIGHTENING ROADS, STREETS, AVENUES, PARKS, AND PUBLIC PLACES.

PURSUANT TO SECTION 928 OF THE NEW YORK CITY CONSOLIDATION ACT OF 1882, the Comptroller of the City of New York gives public notice that the sale at Public Auction of lands and tenements in said city for unpaid assessments laid and confirmed during the year 1879, and prior thereto, for opening, widening, extending and straightening roads, streets, avenues, parks and public places, which sale is advertised to be held at the New Court-house, in the City Hall Park, in the City of New York, on Monday, May 5, 1884, at 12 o'clock noon, is hereby postponed until Monday, October 6, 1884, to be held at the same hour and place.

A pamphlet containing a detailed statement of the property advertised for sale may be obtained at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

S. HASTINGS GRANT,
 Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
 COMPTROLLER'S OFFICE, APRIL 30, 1884.

REAL ESTATE RECORDS.

THE ATTENTION OF LAWYERS, REAL ESTATE OWNERS, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1853 to 1879, prepared under the direction of the Commissioners of Records.

Grantors, grantees, suits in equity, insolvents' and Sheriff's sales, 1879 volumes, full bound, price..... 100 00
 The same in 25 volumes, half bound..... 50 00
 Complete sets, folded, ready for binding..... 25 00
 Records of Judgments, 25 volumes, bound..... 10 00

Orders should be addressed to Mr. Stephen Angell, Comptroller's Office, New County Court-house.
 S. HASTINGS GRANT,
 Comptroller.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
 No. 66 THIRD AVENUE,
 NEW YORK, AUG. 30, 1884.

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 Workhouse, Blackwell's Island.—Michael Smith; aged 59 years; committed July 1, 1884.
 At Lunatic Asylum, Blackwell's Island.—Catharine Mullen; aged 35 years; 4 feet 11 inches high; brown hair; gray eyes.
 Margaret Dixon; aged 75 years; 5 feet 1 inch high; black hair; blue eyes.
 Mary Sheehan; aged 56 years; 5 feet 2 inches high; blue eyes; gray hair.
 At Homeopathic Hospital, Ward's Island.—Patrick McCloskey; aged 71 years; 5 feet 7 inches high; gray hair and eyes.
 At Branch Lunatic Asylum, Hart's Island.—Rose Larkin; aged 7 years.
 Nothing known of their friends or relatives.

G. F. BRITTON,
 Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
 No. 66 THIRD AVENUE,
 NEW YORK, SEPTEMBER 8, 1884.

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 Workhouse, Blackwell's Island.—Jeremiah Hefflein, aged 37 years. Committed August 26, 1884.
 At Lunatic Asylum, Blackwell's Island.—Annie Martin; aged 39 years; 5 feet 2½ inches high.
 At Homeopathic Hospital, Ward's Island.—Christina Lutz; aged 27 years; 5 feet high; gray eyes, brown hair. Had on when admitted gray and black calico skirt, red and black shawl, button shoes.
 Ellen Flanagan; aged 45 years; 5 feet 1 inch high; brown eyes, black hair.
 Patrick Fenney; aged 44 years; 5 feet 6 inches high; gray eyes, brown hair. Had on when admitted brown mixed coat, light pants, brown overalls, laced shoes, brown felt hat.
 Catharine Peterson; aged 45 years; 5 feet 2 inches high; blue eyes, gray hair. Had on when admitted black cloak, red check sacque and skirt, black hat.
 James Murray; aged 26 years; 5 feet 5 inches high; blue eyes, dark hair. Had on when admitted black coat, brown striped pants and vest, blue jumper, gaiters, black felt hat.
 Ellen Breslin; aged 56 years; 5 feet 6 inches high; brown eyes and hair. Had on when admitted red striped calico sacque, brown overskirt, slippers.
 Nothing known of their friends or relatives.

By order,
 G. F. BRITTON,
 Secretary.

DEPARTMENT OF DOCKS.

DEPARTMENT OF DOCKS,
 117 AND 119 DUANE STREET,
 NEW YORK CITY.

NOTICE TO MARINERS IN THE PORT OF NEW YORK, PILOTS, AND ALL OTHERS TO WHOM IT MAY CONCERN.

PLEASE TAKE NOTICE THAT THIS DEPARTMENT has placed off the Battery and south of Pier new 1, North river, two wooden floats or buoys, anchored in shape, six feet on each side, painted black, and encased on a line bearing S. 75° E. from southwest corner of Pier, new 1, North river, the first float being anchored about 209 feet and the second about 335 feet distant therefrom.

By order of the Board,
 JOHN T. CUMING,
 Secretary.

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,
 OFFICE OF THE PROPERTY CLERK, ROOM NO. 39,
 No. 300 MULBERRY STREET,
 NEW YORK, 1884.

OWNERS WANTED BY THE PROPERTY
 Clerk of the Police Department of the City of New York, No. 300 Mulberry street, Room No. 39, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc., also small amount money taken from prisoners and found by patrolmen of this Department
 JOHN F. HARRIOT,
 Property Clerk

BOARD OF STREET OPENING AND IMPROVEMENT.

NOTICE IS HEREBY GIVEN, IN ACCORDANCE with the provisions of section 105 of chapter 335 of the Laws of 1873, entitled "An act to reorganize the local government of the City of New York," passed April 30, 1873, and of the amendments thereto, and of all other provisions of law relating thereto, that the Board of Street Opening and Improvement deem it to be for the public interest to alter the map or plan of the City of New York, by closing One Hundred and Fifty-fourth street, between the westerly line of Ninth avenue and the easterly line of Avenue Saint Nicholas, in the City of New York, said street being more particularly bounded and described as follows, 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, thirty-three feet ten inches (33' 10") to the westerly line of Ninth avenue; thence southerly along said line sixty feet (60') to the point or place of beginning.

And that they propose to alter the map or plan of said city by closing said street, as above mentioned and described.

And that such proposed action of said Board has been duly laid before the Board of Aldermen of the City of New York.

Dated June 26, 1884.
 FRANKLIN EDSON,
 Mayor;
 S. HASTINGS GRANT,
 Comptroller;
 HUBERT O. THOMPSON,
 Commissioner of Public Works;
 EGBERT L. VIELE,
 President of the Department of Public Parks;
 W. P. KIRK,
 President of the Board of Aldermen;
 Board of Street Opening and Improvement.
 ARTHUR BERRY, Secretary.

Eight—Beginning at a point on the easterly side of the highway known as the Saw Mill River road, which point is tangent at right angles 100 feet from the centre line of the survey of said Aqueduct route at Station 154+17.21 of said survey as shown on said maps, and running thence across said road (1) north 4° 20' east 71.94 feet to the easterly side thereof; thence along said westerly side of said road the following courses and distances (2) south

whence—A strip of land thirty-three feet in width on each side of the centre line of the survey of said Aqueduct route, as shown on said maps, said centre line beginning at a point on the lands of S. N. Leggett, which point is distant 393.3 feet on a course of north 22° 45' east from the corner of the lands of S. N. Leggett and John C. Holloway, and where said southeasterly line is intersected by the centre line of the survey of said route said Aqueduct, as shown on said maps, said point of intersection being designated as Station 13-45.7, and marked by a red iron nail, and the distance from said point along said centre line 1,293.70 feet; said strip of land bounding 1,960 acres, more or less, and including within said boundaries the Parcels numbered on said maps respectively 708, 709, 710 and 711.

Whence—A strip of land thirty-three feet in width on each side of the centre line of the survey of said Aqueduct route, as shown on said maps, said centre line beginning at a point on the lands of S. N. Leggett, which point is distant 393.3 feet on a course of north 22° 45' east from the corner of the lands of S. N. Leggett and John C. Holloway, and where said southeasterly line is intersected by the centre line of the survey of said route, which point is designated as Station 46, and

Dated, NEW YORK, July 24, 1884.

GEO. W. McLEAN,
JOHN P. REED, JR.,
JOHN WHALEN,
Commissioners.

ARTHUR BERRY, Clerk