

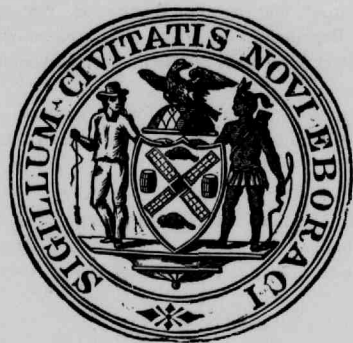
THE CITY RECORD.

OFFICIAL JOURNAL.

VOL. IX.

NEW YORK, TUESDAY, JUNE 14, 1881.

NUMBER 2,442.



DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending March 31, 1881.

COMMISSIONER'S OFFICE, No. 31 CHAMBERS STREET,
NEW YORK, May, 1881.

Hon. WM. R. GRACE, Mayor :

SIR—In compliance with section 27 of the charter, I have the honor to submit the following report of the transactions of the Department of Public Works, for the quarter ending March 31, 1881 :

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller during the quarter.)

On account of appropriations for the year 1881.....	\$231,197 46
On account of liabilities against appropriations for the year 1880.....	91,115 68
On account of liabilities against appropriations for the year 1879.....	2,193 03
On account of assessment fund for street improvements.....	42,893 64
On account of funded debt for improvement and extension of water supply.....	26,809 20
On account of revenue bonds, in anticipation of collection of charges for water meters...	1,859 50
On account of special fund for restoration of pavements over street openings.....	1,124 00
Total	\$397,192 51

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

At the beginning of the quarter, the natural flow of the Croton River amounted to only 47,000,000 gallons per day, and the quantity of water stored in the reservoirs and natural lakes in the Croton basin, and available for the city's supply was reduced to 455,000,000 gallons. A draft of 43,000,000 gallons daily upon this small quantity was necessary to keep up the supply through the aqueduct. Although there was an abundant snow-fall and some rain-fall during the three months, the weather for the greatest part of the time was so cold that the streams and rivulets which feed the Croton and its tributaries were ice-bound, and little of the snow-fall melted and became available. While the supply at the source was thus diminished in consequence of severe and continuous cold, the consumption in the city was increased through the same cause by the enormous waste in letting water run from faucets, day and night, to prevent freezing in the pipes. The excess of consumption over supply reduced the water in the city reservoirs to a depth of eighteen feet, whereas a depth of thirty-three feet should be maintained, and is needed, in order to have a sufficient pressure in the distribution of the water to deliver it at a reasonable elevation in all parts of the city.

The further exhaustion of this reserved supply could not be permitted, and would have led to disastrous consequences ; it therefore became necessary to resort to the extreme measure of reducing the outflow of water by gradually shutting down the gates through which the water enters into the distributing mains, as the only means of controlling and limiting the consumption. This, with the reduced elevation or depth of water in the reservoir, of course caused a general diminution of pressure in the delivery of water throughout the city, which gave rise to many complaints, but the temporary inconvenience thus occasioned was insignificant in comparison with the perils which would have followed if the consumption of water had been allowed to go on unchecked. When the crisis had reached its height, about the 10th of February, the daily flow of the Croton river was reduced to about fifty million gallons, the supply in storage in the Croton basin to one hundred and seventy-five million gallons, and the depth of water in the city reservoir to eighteen feet, as above stated. We have the comforting assurance that the probability of a recurrence of the combination circumstances which so reduced and imperiled our water supply is remote.

The rain-fall in the Croton valley for the three months was 15 87-100 inches, fifty per cent. more than for the corresponding quarter last year, and the thaws and freshets in February and March refilled the Boyd's Corner reservoir and Lake Kirk, and the other reservoirs and lakes have also since been replenished to their full capacity. But the experience of the past year, and especially of the past winter, has demonstrated with irresistible force and clearness the correctness of the conclusions presented in the preceding quarterly report, viz. : the urgent necessity of a vigorous prosecution of all practicable measures for the suppression of waste and of the speedy construction of another aqueduct.

On the 13th of March, 1881, Mr. John C. Campbell resigned the position of Chief Engineer of the Croton Aqueduct, and I appointed in his place Mr. Isaac Newton, an engineer of acknowledged ability, experience, and eminence in his profession. He has since been diligently engaged, in conjunction with Mr. E. S. Chesbrough, whom I had previously appointed as Consulting Engineer, in studying the various questions connected with our water supply, and has recently given his conclusions in a special report, indorsed by Mr. Chesbrough, a copy of which I have already transmitted to you, and which I also attach to this report. In addition to the vigorous prosecution of measures to suppress waste, and the speedy construction of a new aqueduct, they urge the necessity of continuing as rapidly as possible the improvement of the weak parts of the present aqueduct, the filling of the city reservoirs to their full capacity, and keeping one of the divisions of the large reservoir in the Park so filled at all times ; and the rapid completion of the works for the supply from the Bronx and Byram rivers.

The almost uninterrupted severity of the weather during the quarter has prevented the prosecution of outdoor work except to a very limited extent. The work on the aqueduct was confined to the ordinary care and maintenance of the structure, except the construction of four hundred and thirty-seven cubic yards of protection wall on the Tarrytown division, and the delivery of one hundred and fifty cubic yards of building stone on the Croton dam division.

For extending the distribution of water one thousand four hundred and sixty-one lineal feet of pipes were laid and fifty-eight fire hydrants set.

Two hundred and thirteen additional water-meters were placed, making the total number in use at the close of the quarter four thousand two hundred and fifteen.

To facilitate the prompt execution of repairs to water pipes and hydrants, for which purpose the city has heretofore been divided into three districts with a repair gang in each, an additional district and repair gang have been organized. In consequence of the rapid extension of the water service the necessity of this additional repair force had long been felt, but inadequate appropriations prevented its organization until this year. The engine house, boiler house and tower at the high service works, Ninety-eighth street and Ninth avenue, have been fully completed. The engines have been in operation for nearly a year, and continued to work satisfactorily during the quarter. The contract work on the pipe conduit and the reservoir at Williamsbridge for the Bronx river supply was suspended to the close of the quarter. (It has since been resumed and is now in active progress.) Several meetings have been held by the Commissioners to appraise damages for lands and rights required for the conduit line from Kensico to Hartzdale, and the appraisal of the lands required for the dam and reservoir at the outlet of Rye ponds has been referred by the court to the same Commission. In addition to the sixteen thousand lineal feet of conduit line now under contract, preparations have been made for a contract for five thousand lineal feet of conduit, arrangements having been made to acquire the right of way by purchase.

BUREAU OF WATER PURVEYOR.

During the entire quarter the weather and temperature were too severe to permit any work on pavements. A few men were kept employed, however, to repair such places in the streets as were in a dangerous condition.

On the 1st of March I transmitted to the Board of Aldermen my certificate and recommendation, according to chapter 476, Laws of 1875, that the safety, health, and convenience of the public require that the following-named streets be repaved :

First.—With Granite-block Pavement.

Ann street, between Broadway and Gold street.
Frankfort street, between Nassau and Jacob streets.
Jacob street, between Frankfort and Ferry streets.
Front street, between Fulton and Roosevelt streets.
Pike street, between Division and South streets.
Christopher street, between Greenwich avenue and West street.
Carmine street, between Varick street and Sixth avenue.
Eleventh avenue, between Fifteenth and Twenty-fifth streets.
Thirtieth street, between Broadway and Eighth avenue.
Tenth avenue, between Forty-second and Forty-eighth streets.
Thirty-third street, between Lexington and First avenues.
First avenue, between Twenty-third and Thirtieth streets.
Fifteenth street, between Second and Third avenues.
Broome street, between Bowery and Centre street.
Broadway, between Seventeenth and Twenty-second streets.
Avenue A, between Houston and Seventh streets.
Rutgers street, between East Broadway and Cherry street.

Second.—With Trap-block Pavement.

Seventh street, from Fourth avenue to Avenue A.
Water street, between Market and Clinton streets.
Bayard street, between Bowery and Market street.
Rivington street, between Bowery and Clinton street.
Avenue A, between Twenty-third and Twenty-fourth streets.
Thirty-third street, between Tenth and Eleventh avenues.
One Hundred and Twenty-second street, between Second and Third avenues.
One Hundred and Twenty-ninth street, between Third and Sixth avenues.
Thirty-sixth street, between Eighth and Tenth avenues.
Fifty-fourth street, between Sixth and Seventh avenues.
Rutherford place, between Fifteenth and Sixteenth streets.
Eighth street, between Avenues B and D.
Gouverneur street, between Grand and Water streets.

On the 9th of March the Board adopted, and on the 15th of March you approved, the resolution authorizing such repaving. The streets were selected out of more than eighty miles of bad pavements, according to the degree of the necessity for their repavement, as shown by their condition, and the amount of public travel. The preparation of contracts and specifications for the work has been somewhat delayed in consequence of pending legislation which, if adopted, will be advantageous to the city in securing greater responsibility on the part of contractors, and which it is desirable to apply to all the works which are to be contracted for this season.

BUREAU OF SEWERS.

Notwithstanding the inclemency of the weather, considerable progress was made during the quarter on several sewers in course of construction, notably on the deep sewer in Fifth avenue, from Fifty-ninth street to Fifty-fifth street. The great depth of excavation (from fifteen to twenty-five feet), the surroundings of costly residences, and the great amount of travel on the avenue, render this work one of exceptional difficulty.

Great care has been taken in the preparation of the contract, as well as in the progress of the work, to have it done with the least possible inconvenience to public travel and to residents in its vicinity. About two-thirds of it is finished, and the whole of it will be completed during the summer.

The works that were suspended during the severe part of the winter were nearly all resumed at the end of March. The total length of sewers constructed during the quarter is 2,007 lineal feet, and the present extent of sewerage on Manhattan Island is 377 08-100 miles, with 4,573 receiving basins.

The repairs and cleaning of sewers and basins have been steadily prosecuted. The severity of the winter and great quantities of ice and snow taxed the sewerage to an unusual extent, and caused an extraordinary amount of deposits in basins and sewers, consisting mainly of street dirt, washed or swept into the basins whenever there was a thaw. The repairs and cleaning for the quarter include the following items of work :

564 receiving basins and culverts cleaned.
4,670 lineal feet of sewers cleaned.
1,273 cart-loads of deposits removed.
1,032 lineal feet of sewers rebuilt.
68 lineal feet of culvert rebuilt.
60 lineal feet of spur-pipe laid.
19 receiving basins rebuilt.
15 receiving basins repaired.
11 manholes repaired.
58 cubic yards rubble masonry built.
6,716 cubic yards earth excavated and refilled, and other minor items.

BUREAU OF STREET IMPROVEMENTS.

Thirteen regulating and grading works were kept in progress during the quarter, and two contracts were completed, viz.:

Regulating, grading, etc., Sixty-second street, from Avenue A to East river.

Regulating, grading, etc., One Hundred and Fourteenth street, from Tenth avenue to Morning-side avenue.

The aggregate quantities of work performed are as follows:

7,765 cubic yards earth excavated.
8,401 cubic yards rock excavated.
31,472 cubic yards filling put in embankments.
1,256 lineal feet of curb-stone set.
1,049 lineal feet gutter stone laid.
5,148 square feet flagging laid.

BUREAU OF STREETS.

As stated in my last quarterly report, I have transferred to this bureau the care and maintenance of the uptown boulevards or macadamized drives, in addition to the care of the old roads and the unpaved streets.

While the roads and drives were covered with snow, during the greater part of the quarter, the maintenance work consisted of keeping the roadways smooth for sleighing, and the sidewalks clear for pedestrians. The roads afforded excellent sleighing for an unusual length of time, to the enjoyment of thousands of people.

For some years past the appropriations for the maintenance of the macadam roadways have not been sufficient to allow the renewal of the surface material to the required extent, and the roads have therefore considerably deteriorated. Every effort will be made to restore them this season and preserve them in good condition.

BUREAU OF LAMPS AND GAS.

The total number of public lamps in use on the 1st of January was 23,511. During the quarter 4 new lamps were lighted, 18 old lamps were relighted, and 190 lamps were discontinued, leaving the total number in use at the close of the quarter 23,343. This is exclusive of 22 electric lights on Broadway, between Fourteenth and Thirty-fourth streets, which the Brush Electric Light Company continues to furnish without expense to the city, and which give great satisfaction in respect to brilliancy or quantity of light.

BUREAU OF REPAIRS AND SUPPLIES.

The alterations and fitting up of the rooms in the City Hall assigned to the Marine Court, and formerly occupied by this Department, have been nearly completed.

The working plans, contracts, and specifications for rebuilding Fulton market are nearly ready, and the work will soon be advertised for public letting. The present structure is in two distinct portions—the old market proper, two stories high, facing on Fulton, Front, and Beekman streets—and the inner and more recent portion, on a different level, facing on South street.

When the departmental estimate of \$100,000 for this work was made, it was proposed to rebuild the walls of the older portion in sections, the standholders to be removed in turns to a temporary shed to be erected in Burling slip; the floor to be on a level with the present floor of the inner market; the building to be one story high, except on the corners and in the center of the part facing on Front street, where a second story is to be added for offices, closets, and wash-rooms; the walls to be of such design as to afford complete light and ventilation, and of sufficient strength to carry

upper stories, if desired to be added in the future, or an iron and glass roof over the central portion; the roof to be of such construction as to insure a more equable temperature than at present; the present roof over the central portion, which was repaired last year, to be retained; a suitable drain to be laid under the floor, in place of the present surface drainage; an iron awning on brackets to be built around the market over the sidewalk in place of the present unsightly sheds; the exterior to be without unnecessary ornamentation, but of a dignified and attractive design; the whole work to be of a substantial and permanent character, and to include necessary repairs to the inner market.

As the Board of Estimate and Apportionment appropriated only \$80,000 for this work, the plans had to be modified by postponing to a future time, when additional appropriations shall be made, the building of the South street front, but the main features are retained and will be carried out on Fulton street, Front street, and Beekman street. The three sections will be built and finished separately and consecutively, so that three-fourths of the market will remain undisturbed while the work is going on.

Plans and specifications are also being prepared for the work of altering and refitting the armory over Essex Market, assigned to the Fifth regiment, and the armory over Tompkin's Market, assigned to the Sixty-ninth regiment.

BUREAU OF INCUMBRANCES.

This Bureau received during the three months 373 complaints of obstructions on streets and sidewalks, and made 67 removals or seizures of the articles complained of as obstructions. It also removed 714 cart-loads of stone and other refuse material from various streets, and issued permits and notices as follows:

1,324 permits to place building material on streets.
4 permits to cut down shade trees.
46 miscellaneous permits.
215 notices to repair defective sidewalks.
43 notices to repair slippery or defective vault covers.

BUREAU OF WATER REGISTER.

The amount of revenue from Croton water collected during the quarter is—

For water rents.....	\$76,526 60
For penalties on water rents.....	1,612 50
For tapping Croton pipes.....	1,343 00
Total.....	\$79,482 10

The Department also collected and paid into the City Treasury—

For sewer permits.....	\$5,618 25
For vault permits.....	6,723 53
For expenses of furnishing and setting water-meters.....	4,093 28
For restoration of pavement over excavations.....	8,570 00
For miscellaneous items.....	170 50
Total.....	\$25,175 56

Very respectfully,

HUBERT O. THOMPSON,

Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations and Transfers of 1880; Requisitions on 1880 for the Year; Requisitions on Liabilities of 1880, during First Quarter, 1881; Balances of 1880 on April 1, 1881; Appropriations of 1881; Requisitions of First Quarter, 1881; Balances on April 1, 1881; Balances of 1879 on April 1, 1881; and the Titles and Conditions of the Trust and Special Accounts, April 1, 1881.

TITLES OF APPROPRIATIONS.	Appropriations and Transfers, 1880.	Requisitions from January 1 to December 31, 1880.	Requisitions on Liabilities of 1880 during First Quarter, 1881.	Balances of 1880, on April 1, 1881.	Appropriations for 1881.	Requisitions, First Quarter, 1881.	Balances on April 1, 1881.	Balances of 1879 on April 1, 1881.
Aqueduct—Repairs, Maintenance, and Strengthening.....	\$214,153 20	\$208,240 30	\$5,903 35	\$9 55	\$221,000 00	\$16,367 24	\$204,632 76	\$3 00
Aqueduct—Repairs, Maintenance, and Strengthening—Salaries.....	17,000 00	16,974 95	25 05	25 05	49,000 00	3,868 66	45,131 34	.....
Boulevard, Roads, and Avenues—Maintenance.....	46,000 00	45,730 32	269 00	68	66,200 00	5,218 63	60,981 37	68 74
Boulevard, Roads, and Avenues—Salaries.....	4,500 00	4,498 96	1 04	1 04	8,800 00	2,201 63	6,598 37	.....
Contingencies—Department of Public Works.....	3,791 65	3,320 86	345 08	125 71	2,500 00	313 00	2,187 00	.....
Contract of Peter J. Masterson.....	225 69	.....	.....	69	.....	.....	.....	.....
County Court-house Building, Completion of.....	12,800 00	1,652 34	153 03	10,994 63	.....	.....	.....	.....
Croton Water-main Fund—From Taxation.....	.....	.....	.....	.....	.....	.....	.....	73,641 38
Expense of Altering Map of City.....	800 00	650 00	150 00	.....	.....	.....	.....	.....
Expenses of Surveys and Maps.....	474 89	473 75	.....	1 14	.....	.....	.....	.....
Expense of Laying Four-foot Croton-mains.....	78,337 70	70,529 90	4,245 12	3,562 68	.....	.....	.....	.....
Fitting-up Fifth Regiment Armory, Essex Market.....	.....	.....	.....	.....	18,000 00	.....	18,000 00	.....
Fitting-up Sixty-ninth Regiment Armory, Tompkins Market.....	.....	.....	.....	.....	15,000 00	.....	15,000 00	.....
Flagging Sidewalks and Fencing Vacant Lots, etc.....	1,600 00	1,515 43	84 57	84 57	1,500 00	.....	1,500 00	.....
Free Floating Baths.....	8,000 00	7,312 05	633 00	54 35	18,000 00	966 20	17,033 80	.....
Free Floating Baths—Salaries.....	15,931 75	15,931 75	.....	.....	14,000 00	680 00	13,320 00	.....
Free Floating Baths—Additional.....	.....	.....	.....	.....	80,000 00	.....	80,000 00	.....
Fulton Market—Alterations and Repairs.....	.....	.....	.....	.....	.....	.....	.....	.....
Janitors—Civil and Police Courts—Salaries.....	8,161 26	8,161 26	.....	.....	.....	.....	.....	.....
Lamps and Gas.....	496,000 00	454,539 63	40,118 88	1,341 49	530,000 00	78,038 67	451,961 33	.....
Lamps and Gas—Salaries.....	6,000 00	5,999 64	36	36	5,400 00	948 00	4,452 00	.....
Laying Croton Pipes.....	250,000 00	201,200 07	19,535 67	29,264 26	235,000 00	4,677 31	230,322 69	.....
Laying Croton Pipes—Salaries.....	.....	.....	.....	.....	15,000 00	4,408 90	10,591 10	.....
Public Buildings—Construction and Repairs.....	35,400 00	27,908 96	7,433 13	57 91	46,000 00	9,863 71	36,136 29	.....
Public Buildings—Construction and Repairs—Salaries.....	.....	.....	.....	.....	1,900 00	466 50	1,433 50	.....
Public Drinking Hydrants.....	5,000 00	4,942 70	54 41	2 89	6,000 00	67 02	5,932 98	.....
Removing Obstructions in Streets and Avenues.....	3,300 00	3,636 55	263 40	05	4,200 00	282 75	3,917 25	.....
Removing Obstructions in Streets and Avenues—Salaries.....	2,000 00	1,916 63	83 33	04	1,800 00	410 66	1,389 34	.....
Repairing and Renewal of Pipes, Stop-cocks, etc.....	87,044 92	84,498 21	2,115 12	431 59	99,000 00	15,099 02	83,900 98	.....
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	34,000 00	33,916 17	83 83	83 83	41,000 00	12,586 43	28,413 57	.....
Repairs and Renewal of Pavements and Regrading.....	149,164 75	147,653 27	243 52	1,267 96	156,000 00	1,135 35	154,864 65	.....
Repairs and Renewal of Pavements and Regrading—Salaries.....	.....	.....	.....	.....	44,000 00	1,578 00	42,422 00	.....
Repaving Streets and Avenues.....	298,000 00	235,467 16	1,856 72	60,676 12	391,000 00	.....	391,000 00	703 75
Repaving Streets and Avenues—Salaries.....	7,000 00	6,980 37	19 63	19 63	9,000 00	482 32	8,517 68	.....
Roads and Avenues—Maintenance and Sprinkling.....	22,000 00	21,722 92	276 96	12	.....	.....	.....	.....
Roads, Streets, and Avenues—Unpaved, etc.....	.....	.....	.....	.....	29,100 00	3,205 98	25,894 02	.....
Roads, Streets, and Avenues—Unpaved, etc.—Salaries.....	.....	.....	.....	.....	900 00	174 00	726 00	.....
Salaries—Department of Public Works.....	92,000 00	91,919 51	80 49	80 49	81,800 00	20,663 66	61,136 34	.....
Sewers—Repairing and Cleaning.....	53,700 00	50,640 24	2,814 46	245 30	91,500 00	12,383 18	79,116 82	36 24
Sewers—Repairing and Cleaning—Salaries.....	11,550 00	11,548 18	.....	1 82	33,500 00	4,624 74	28,875 26	.....
Sewerage System—Salaries.....	12,750 00	12,749 49	.....	51	13,000 00	2,202 21	10,797 79	.....
Street Improvements—For Surveying, etc.....	1,100 00	1,001 24	.....	98 76	1,000 00	.....	1,000 00	.....
Street Improvements—For Surveying, etc.—Salaries.....	.....	.....	.....	.....	250 00	.....	250 00	.....
Supplies for and Cleaning Public Offices.....	67,368 25	62,904 90	4,405 50	57 85	63,500 00	21,866 95	41,633 05	.....
Supplies for and Cleaning Public Offices—Salaries.....	15,200 00	15,078 62	.....	121 38	30,000 00	4,124 24	25,875 76	.....
Supplying Water to Shipping, etc.—Salaries.....	8,000 00	7,999 50	.....	50	8,000 00	2,121 00	5,879 00	.....
Wells and Pumps—Repairing and Cleaning.....	230 08	.....	.....	.....	500 00	.....	500 00	.....
Water Supply for the Twenty-fourth Ward.....	11,846 80	11,063 52	216 00	567 28	12,250 00	.....	12,250 00	.....
Water Supply for the Twenty-fourth Ward—Salaries.....	.....	.....	.....	.....	750 00	171 50	578 50	.....
Totals.....	\$2,080,430 94	\$1,880,135 03	\$91,115 68	\$109,180 23	\$2,445,350 00	\$231,197 46	\$2,214,152 54	\$74,453 11

Amounts drawn, First Quarter, 1881, on Liabilities of 1879: Croton Water-main Fund—From Taxation, \$622.68; Repaving Streets and Avenues, \$1,570.35.

TITLES OF TRUST ACCOUNTS.	Amounts authorized by Board of Estimate and Apportionment.	Amounts called for by Commissioner of Public Works.	Amounts Expended to January 1, 1881.	Amounts to Credit, January 1, 1881.	Amount of Requisitions, First Quarter, 1881.	Amounts to Credit, April 1, 1881.
Croton Water Fund.....	\$1,710,000 00	\$1,710,000 00	\$1,659,789 34	\$50,210 66	\$19,231 65	\$30,979 01
Croton Water-main Fund.....	3,750,000 00	3,750,000 00	3,749,468 44	531 56	.....	531 56
Croton Water-main Fund, No. 2.....	1,500,000 00	1,500,000 00	1,490,745 78	9,254 22	7,577 55	1,676 67
Street Improvements above Fifty-ninth street.....	.....	.....	.....	.....	570 94	.....
Street Improvement Fund.....	.....	.....	.....	.....	42,322 70	.....
Meter Stock.....	50,000 00	75,000 00	45,803 30	29,196 70	1,859 50	27,337 20
Restoring and Repaving—Special Fund, Department of Public Works.....	.....	.....	4,246 65	3,280 35	1,124 00	10,726 35

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

Statement of Bookkeeper, showing all Revenues of the City received through the Department of Public Works, during the First Three Months of 1881.

SOURCE OF REVENUE.	FIRST THREE MONTHS, 1881.
Water Rents.....	\$76,527 40
Water Penalties.....	1,012 50
Pipe Tapping.....	1,343 50
Sewer Permits.....	5,618 25
Vault Permits.....	6,723 53
Commissioner of Public Works.....	170 50
Total.....	\$91,995 68
Meter Stock Deposit—Special Fund.....	\$4,093 28

Document "B."

A Detailed Statement of Liabilities for which Requisitions were drawn on the Comptroller by the Department of Public Works, during the Quarter ending March 31, 1881, with their respective Appropriations and Trust Accounts.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance, and Strengthening—	
Coal and wood.....	\$2,368 77
Incidental expenses.....	381 63
Oil.....	536 68
Paint.....	58 30
Pay-rolls.....	8,460 51
Piston rod packing.....	47 50
Repairing steam pump.....	59 04
Resetting boiler.....	1,467 15
Surveying instruments.....	39 40
Taxes.....	2,539 93
Tools and supplies.....	408 33
Total.....	\$16,367 24
Aqueduct—Repairs, Maintenance, and Strengthening (Salaries)—	
Pay-rolls.....	\$3,868 66
Aqueduct—Repairs, Maintenance, and Strengthening for 1880—	
Building stone.....	\$62 50
Coal.....	1,004 50
Pay-roll.....	3,398 55
Repairing tools.....	217 06
Taxes.....	1,219 84
Total.....	\$5,993 35
Boulevard, Roads, and Avenues, Maintenance of—	
Bridge stone.....	\$219 70
Broken stone.....	686 00
Coal.....	16 50
Drilling machine.....	68 42
Filling.....	350 00
Horse feed.....	108 42
Iron axles.....	93 00
Iron and bolts.....	128 12
Lead and paint.....	211 12
Lumber.....	154 88
Oil and tallow.....	53 64
Pay-rolls.....	2,787 88
Robe.....	25 00
Rubber hose.....	132 00
Sleigh.....	50 00
Tools.....	133 95
Total.....	\$5,218 63
Boulevard, Roads, and Avenues, Maintenance of (Salaries)—	
Pay-rolls.....	\$2,201 63
Boulevard, Roads, and Avenues, Maintenance of, for 1880—	
Pay-roll.....	\$269 00
Contingencies—Department of Public Works—	
Incidental expenses.....	\$300 00
Traveling expenses.....	13 00
Total.....	\$313 00
Contingencies—Department of Public Works, for 1880—	
Services.....	\$91 00
Traveling expenses.....	254 08
Total.....	\$345 08
Croton Water-main Fund, from Taxation for 1879—	
Laying mains in One Hundred and Fifty-first street, etc.....	\$622 68
County Court-house Building, Completion of, for 1880—	
Iron work.....	\$47 28
Steam coil.....	105 75
Total.....	\$153 03
Expense of Altering Map of City for 1880—	
Engineering.....	\$150 00
Expense of Laying Four-foot Croton-mains, for 1880—	
Tenth avenue, Eighty-fifth street to Central Park.....	\$4,245 12
Free Floating Baths—	
Repairing baths.....	\$957 10
Tools.....	9 10
Total.....	\$966 20
Free Floating Baths (Salaries)—	
Pay-rolls.....	\$680 00
Free Floating Baths, for 1880—	
Storing Baths.....	\$633 00
Lamps and Gas—	
Illuminating meter.....	\$225 00
Lamp-globes.....	400 00
Lamps.....	450 00
Lighting Armory, Battery B.....	15 05
“ “ “ E.....	54 77
“ “ “ K.....	6 48
“ “ “ Special Troop A.....	17 68

Lamps and Gas—	
Lighting Armory, 5th Regiment.....	\$151 37
“ “ 7th “.....	940 80
“ “ 8th “.....	144 37
“ “ 9th “.....	404 08
“ “ 11th “.....	65 10
“ “ 12th “.....	189 53
“ “ 22d “.....	252 88
“ “ 69th “.....	191 62
“ “ 71st “.....	135 63
“ Brown-stone Building.....	26 24
“ City Hall.....	355 26
“ County Jail.....	382 55
“ Court, Civil, 2d District.....	8 22
“ “ 4th “.....	4 54
“ “ 5th “.....	7 88
“ “ 6th “.....	1 05
“ “ 8th “.....	2 45
“ “ 9th “.....	2 02
“ “ Police, 1st “.....	128 27
“ “ 2d “.....	86 45
“ “ 3d “.....	65 10
“ “ 4th “.....	47 08
“ “ 5th “.....	20 47
“ “ Special Sessions.....	36
“ Court-house, 3d District.....	137 91
“ “ New.....	792 57
“ Engine-house, High Bridge.....	57 59
“ “ Ninety-eighth street.....	130 04
“ Market, Catharine.....	29 92
“ “ Centre.....	215 77
“ “ Clinton.....	153 12
“ “ Essex.....	61 95
“ “ Fulton.....	291 20
“ “ Jefferson.....	82 07
“ “ Tompkins.....	182 18
“ “ Union.....	8 40
“ “ Washington.....	317 44
“ Office, Corporation Attorney.....	27 30
“ “ Department of Public Works.....	174 81
“ “ Photometrical.....	22 43
“ “ Receiver of Taxes.....	162 39
“ “ Rivington Street Yard.....	5 78
“ “ South Gate-house.....	10 12
“ Streets, Central Gas-light Co.....	9,933 00
“ “ Harlem.....	13,400 41
“ “ Manhattan.....	16,888 28
“ “ Metropolitan.....	10,819 64
“ “ New York.....	9,126 97
“ “ N. Y. Mutual.....	2,568 31
“ “ Northern.....	6,961 96
“ “ Yonkers.....	440 00
Pay-rolls.....	200 00
Repairing Gas-mains.....	9 06
Supplies.....	44 85
Total.....	\$78,038 67
Lamps and Gas (Salaries)—	
Pay-rolls.....	\$948 00
Lamps and Gas, for 1880—	
Lighting Armory, Battery B.....	\$1 82
“ “ “ K.....	2 03
“ “ “ Separate Troop A.....	5 32
“ “ “ “ B.....	9 84
“ “ 5th Regiment.....	42 68
“ “ 7th “.....	155 91
“ “ 8th “.....	39 45
“ “ 9th “.....	80 55
“ “ 11th “.....	71 02
“ “ 12th “.....	26 64
“ “ 22d “.....	132 75
“ “ 69th “.....	55 80
“ “ 71st “.....	21 42
“ Brown-stone building.....	10 36
“ City Hall.....	155 40
“ County Jail.....	86 55
“ Court, Special Sessions.....	28
“ “ Civil, 2d District.....	3 64
“ “ 4th “.....	75
“ “ 5th “.....	98
“ “ 6th “.....	22
“ “ 8th “.....	68
“ “ 9th “.....	62
“ “ Police, 1st “.....	62 86
“ “ 2d “.....	19 58
“ “ 3d “.....	17 47
“ “ 4th “.....	8 64
“ “ 5th “.....	6 37
“ Court-house, 3d “.....	37 27
“ “ New.....	325 64
“ Engine-house, High Bridge.....	14 37
“ “ Ninety-eighth street.....	33 37
“ Market, Catharine.....	15 12
“ “ Centre.....	52 87
“ “ Clinton.....	38 18
“ “ Essex.....	16 80
“ “ Fulton.....	129 50
“ “ Jefferson.....	20 93
“ “ Tompkins.....	51 90
“ “ Union.....	2 47
“ “ Washington.....	135 66
“ Office, Corporation Attorney.....	15 40
“ “ Department of Public Works.....	42 14
“ “ Photometrical.....	10 02
“ “ Rivington Street Yard.....	1 27
“ “ South Gate-house.....	2 12
“ “ Tax Receiver.....	101 92
“ Streets, Central Gas-light Co.....	6,563 27
“ “ Harlem.....	6,800 96
“ “ Manhattan.....	8,606 42
“ “ Metropolitan.....	5,408 50
“ “ New York.....	4,516 58
“ “ N. Y. Mutual.....	1,306 25
“ “ Northern.....	4,388 92
“ “ Yonkers.....	220 00
“ Rent of offices.....	162 50
“ Traveling expenses.....	78 90
Total.....	\$40,118 88
Laying Croton-pipes—	
Pay-rolls.....	\$3,031 71
Stop-cock boxes and covers.....	742 30
Stop-cocks.....	869 70
Tools.....	33 60
Total.....	\$4,677 31
Laying Croton-pipes (Salaries)—	
Pay-rolls.....	\$4,408 90

Laying Croton-pipes, for 1880—	
Cast-iron pipe.....	\$11,995 45
Changing taps.....	285 44
Coke.....	15 00
Hydrants.....	3,384 00
Laying pipes in Ninth avenue.....	1,070 69
Pay-rolls.....	1,242 39
Stop-cock boxes and covers.....	893 75
Stop-cocks.....	577 50
Traveling expenses.....	71 45
Total.....	\$19,535 67

Public Buildings—Construction and Repairs—	
Armory, Battery B.....	\$31 17
“ 9th Regiment.....	32 73
“ 69th “.....	39 60
Brown-stone Building.....	972 91
Bureau of Repairs and Supplies.....	557 52
City Arsenal.....	54 66
“ Hall.....	1,672 31
“ Prison.....	111 72
County Jail.....	349 43
Court-house, New.....	1,128 84
“ 3d District.....	293 88
“ 7th “.....	19 00
Court, Civil, 1st District.....	29 22
“ “ 2d “.....	21 07
“ “ 5th “.....	17 89
“ “ 6th “.....	30 17
“ Police, 1st “.....	3 45
“ “ 3d “.....	6 55
Gansevoort Street Yard.....	7 30
Market, Essex.....	57 28
“ Tompkins.....	121 90
No. 31 Chambers street.....	4,182 38
Register's office.....	122 73
Total.....	\$9,863 71

Public Buildings—Construction and Repairs (Salaries)—	
Pay-rolls.....	\$466 50

Public Buildings—Construction and Repairs, for 1880—	
Brown-stone Building.....	\$100 16
Bureau of Repairs and Supplies.....	190 89
Court-house, New.....	297 49
“ 3d District.....	6 19
“ 7th “.....	20 00
“ 5th “.....	11 20
Court, Civil, 5th “.....	1 25
“ Police, 5th “.....	19 37
City Hall.....	45 31
“ Prison.....	3 93
Market, Catharine.....	69 35
“ Clinton.....	214 97
“ Centre.....	124 55
“ Essex.....	17 34
“ Jefferson.....	38 73
“ Tompkins.....	48 43
“ Washington.....	58 30
No. 31 Chambers street.....	6,134 55
No. 49 Beekman street.....	2 00
Office of Corporation Counsel.....	28 22
Total.....	\$7,433 13

Public Drinking Hydrants—	
Repairing Hydrants.....	\$67 02

Public Drinking Hydrants, for 1880—	
Repairing Hydrants.....	\$54 41

Removing Obstructions in Streets and Avenues—	
Trucking and labor.....	\$282 75

Removing Obstructions in Streets and Avenues (Salaries)—	
Pay-rolls.....	\$410 66

Removing Obstructions in Streets and Avenues, for 1880—	
Taking down building.....	\$49 95
Traveling expenses.....	62 50
Trucking and labor.....	150 95
Total.....	\$263 40

Removing Obstructions in Streets and Avenues (Salaries for 1880)—	
Pay-roll.....	\$83 33

Repairing and Renewal of Pipes, Stop-cocks, etc.—	
Coal and wood.....	\$132 50
Hydrants.....	587 25
Inspectors' shields.....	25 00
Lead.....	558 24
Meter counters, etc.....	56 45
Oil and tallow.....	81 50
Pay-rolls.....	10,514 60
Pressure gauges.....	100 50
Repairing damages.....	557 00
Salt.....	39 00
Sealing-wax, etc.....	128 82
Steel and Iron.....	141 88
Stop-cock boxes and covers.....	865 52
Stop-cocks.....	869 70
Tapping cock-boxes.....	290 00
Tools.....	98 06
Wooden plugs.....	53 00
Total.....	\$15,099 02

Repairing and Renewal of Pipes, Stop-cocks, etc. (Salaries)—	
Pay-rolls.....	\$12,586 43

Repairing and Renewal of Pipes, Stop-cocks, etc., for 1880—	
Cement.....	\$12 50
Pay-rolls.....	1,949 85
Putting in apparatus.....	80 85
Traveling expenses.....	71 92
Total.....	\$2,115 12

Repaving, under Chap. 476, Laws of 1875, for 1879—	
Fifty-sixth and Fifty-eighth streets, J. F. Hdyn.....	\$1,570 35

Repaving Streets and Avenues, for 1880—	
Tenth avenue, between Thirty-first and Forty-second streets, D. McGrath.....	\$1,856 72

Repaving Streets and Avenues (Salaries)—	
Pay-rolls.....	\$482 32

Repairs and Renewal of Pavements and Regrading—	
Lap-robe and blanket.....	\$34 00
Oil.....	60 63
Pay-rolls.....	847 37
Repairing tools.....	193 35
Total.....	\$1,135 35

Repairs and Renewal of Pavements, for 1880—	
Repairing pavements.....	\$203 28
Resetting curb and gutter.....	40 24
Total.....	\$243 52

Repairs and Renewal of Pavements and Regrading (Salaries)—	
Pay-rolls.....	\$1,578 00

Roads, Streets, and Avenues Unpaved—Maintenance, etc.—	
Broken stone.....	\$850 00
Pay-rolls.....	1,313 93
Powder and fuse.....	16 75
Repairing tools.....	65 30
Stone chips.....	960 00
Total.....	\$3,205 98

Roads, Streets, and Avenues—Maintenance and Sprinkling (Salaries)—	
Pay-rolls.....	\$174 00

Roads and Avenues—Maintenance and Sprinkling, for 1880—	
Pay-rolls.....	\$170 71
Repairing tools.....	43 75
Traveling expenses.....	62 50
Total.....	\$276 96

Salaries—Department of Public Works—	
Pay-rolls.....	\$20,663 66

Sewers—Repairing and Cleaning—	
Candles.....	\$61 23
Cleaning sewers.....	105 50
Horsekeeping.....	56 00
Manhole heads and covers.....	1,104 02
Pay-rolls.....	3,764 80
Repairing basins.....	1,073 78
“ sewers.....	5,819 69
Sewer-pipe.....	86 00
Tools.....	183 73
Traveling Expenses.....	128 43
Total.....	\$12,383 18

Sewers—Repairing and Cleaning (Salaries)—	
Pay-rolls.....	\$4,624 74

Sewers—Repairing and Cleaning, for 1880—	
Horsekeeping and repairing wagon.....	\$95 75
Pay-rolls.....	1,975 54
Repairing instruments.....	42 25
“ sewers.....	639 65
Traveling expenses.....	61 27
Total.....	\$2,814 46

Sewerage System (Salaries)—	
Pay-rolls.....	\$2,202 21

Supplies for and Cleaning Public Offices—	
Armory, Battery B.....	\$45 55
“ “ K.....	62 53
“ Separate Troop A.....	51 00
“ 5th Regiment.....	37 50
“ 7th “.....	862 50
“ 8th “.....	78 80
“ 9th “.....	352 75
“ 11th “.....	125 00
“ 12th “.....	77 00
“ 22d “.....	322 50
“ 69th “.....	39 00
“ 71st “.....	168 75
Board of Assessors.....	49 25
Brown-stone Building.....	858 79
Bureau Repairs and Supplies.....	1,185 39
City Hall.....	629 29
“ Prison.....	15 25
County Jail.....	73 50
Court, Civil, 1st District.....	30 50
“ “ 2d “.....	60 00
“ “ 3d “.....	53 62
“ “ 5th “.....	46 00
“ “ 6th “.....	29 00
“ “ 7th “.....	7 50
“ “ 8th “.....	36 00
“ “ 9th “.....	105 85
“ “ 10th “.....	285 00
“ Police, 1st “.....	82 50
“ “ 3d “.....	207 88
“ “ 4th “.....	31 00
“ “ 5th “.....	237 91
“ Common Pleas.....	594 15
“ Marine.....	45 00
“ Special Sessions.....	101 00
“ Superior.....	171 05
Court-house, New.....	3,594 20
“ 3d District.....	462 00
“ 7th “.....	213 00
Department, Finance.....	108 55
“ Public Works.....	1,532 73
“ Taxes and Assessments.....	57 00
No. 27 Chambers street.....	44 00
Office, City Record.....	10 00
“ Commissioner's of Accounts.....	123 91
“ Corporation Attorney.....	30 00
“ “ Counsel.....	129 96
“ County Clerk.....	63 73
“ District Attorney.....	226 53
“ Mayor.....	308 76
“ Public Administrator.....	30 00
“ Recorder.....	90 39
“ Reporters (City Hall).....	312 26
“ Surrogate.....	108 10
“ Tax Commissioners.....	48 00
Pay-rolls.....	7,180 52
Yard at foot of Gansevoort street.....	6 00
“ Rivington street.....	29 00
Total.....	\$21,866 95

Supplies for and Cleaning Public Offices (Salaries)—	
Pay-rolls.....	\$4,124 24

Supplies for and Cleaning Public Offices, for 1880—

Armory, 3d Regiment.....	\$12 00
“ 5th “.....	33 21
“ 7th “.....	137 50
“ 8th “.....	22 25
“ 9th “.....	210 00
“ 11th “.....	44 50
“ 22d “.....	126 51
“ 69th “.....	128 28
“ 71st “.....	99 15
Brown-stone Building.....	379 11
Bureau of Repairs and Supplies.....	4 88
City Hall.....	550 70
Court, Civil, 2d District.....	81 76
“ “ 3d “.....	5 74
“ “ 4th “.....	47 68
“ “ 5th “.....	28 31
“ “ 6th “.....	36 32
“ “ 7th “.....	1 80
“ “ 8th “.....	2 80
“ “ 9th “.....	15 50
“ “ 10th “.....	2 20
“ Police, 1st “.....	1 20
“ “ 3d “.....	18 35
“ “ 4th “.....	2 80
“ Special Sessions.....	45 00
“ Supreme.....	66 16
Court-house, New.....	930 97
“ 3d District.....	87 15
“ 7th “.....	87 78
Department of Buildings.....	76 00
“ Finance.....	104 85
“ Public Works.....	916 08
Dog Pound.....	10 70
No. 27 Chambers street.....	8 50
No. 49 Beekman street.....	6 72
No. 134 West Thirtieth street.....	4 74
Office, Corporation Attorney.....	60
“ “ Counsel.....	31 30
“ District Attorney.....	5 85
“ Mayor.....	4 00
Pipe yard at foot of Twenty-fourth street.....	25 65
Total.....	\$4,405 50

Supplying Water to Shipping and for Building Purposes (Salaries)—

Pay-rolls.....	\$2,121 00
----------------	------------

Water Supply for the Twenty-fourth Ward, for 1880—

Privilege to draw water.....	\$216 00
------------------------------	----------

Water Supply for the Twenty-fourth Ward (Salaries)—

Pay-rolls.....	\$171 50
----------------	----------

RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance, and Strengthening.....	\$16,367 24
“ “ “ Salaries.....	3,868 66
“ “ “ for 1880.....	5,903 35
Boulevards, Roads, and Avenues, Maintenance of.....	5,218 63
“ “ “ Salaries.....	2,201 63
“ “ “ for 1880.....	269 00
Contingencies—Department of Public Works.....	313 00
“ “ “ for 1880.....	345 08
County Court-house, Completion of, for 1880.....	153 03
Croton Water-main Fund from Taxation, for 1879.....	622 68
Expense of Altering Map of City, for 1880.....	150 00
“ Laying Four-foot Croton-mains, for 1880.....	4,245 12
Free Floating Baths.....	966 20
“ “ Salaries.....	680 00
“ “ for 1880.....	633 00
Lamps and Gas.....	78,038 67
“ “ Salaries.....	948 00
“ “ for 1880.....	40,118 88
Laying Croton-pipes.....	4,677 31
“ “ Salaries.....	4,408 90
“ “ for 1880.....	19,535 67
Public Buildings—Construction and Repairs.....	9,863 71
“ “ “ Salaries.....	466 50
“ “ “ for 1880.....	7,433 13
Public Drinking-hydrants.....	67 02
“ “ “ for 1880.....	54 41
Removing Obstructions in Streets and Avenues.....	282 75
“ “ “ Salaries.....	410 66
“ “ “ for 1880.....	263 40
“ “ “ Salaries for 1880.....	83 33
Repairing and Renewal of Pipes, Stop-cocks, etc.....	15,099 02
“ “ “ Salaries.....	12,586 43
“ “ “ for 1880.....	2,115 12
Repairs and Renewal of Pavements and Regrading.....	1,135 35
“ “ “ Salaries.....	1,578 00
“ “ “ for 1880.....	243 52
Repaving Streets and Avenues—Salaries.....	482 32
Repaving under chap. 476, Laws of 1875, for 1880.....	1,856 72
“ “ “ 1879.....	1,570 35
Roads, Streets, and Avenues Unpaved—Maintenance and Sprinkling.....	3,205 98
“ “ “ Salaries.....	174 00
Roads and Avenues and Sprinkling, for 1880.....	276 96
Salaries—Department of Public Works.....	20,663 66
Sewerage System—Salaries.....	2,202 21
Sewers—Repairing and Cleaning.....	12,383 18
“ “ “ Salaries.....	4,624 74
“ “ “ for 1880.....	2,814 46
Supplies for and Cleaning Public Offices.....	21,866 95
“ “ “ Salaries.....	4,124 24
“ “ “ for 1880.....	4,405 50
Supplying Water to Shipping and for Building Purposes—Salaries.....	2,121 00
Water Supply for the Twenty-fourth Ward—Salaries.....	171 50
“ “ “ for 1880.....	216 00
Total.....	\$324,506 17

CLASSIFICATION.

Appropriations for 1881.....	\$169,485 01
“ 1881—Salaries.....	61,712 45
“ 1880.....	91,032 35
“ 1880—Salaries.....	83 33
“ 1879.....	2,193 03
Total.....	\$324,506 17

TRUST ACCOUNTS.

CROTON WATER FUND.

Building Reservoir on Bronx river.....	\$1,037 61
Cast-iron pipe.....	2,299 31
Cleaning outlets of lakes.....	107 25
Coal.....	8 16
Disbursements of Commissioners.....	358 74
Hauling pipe.....	101 00
Incidental expenses.....	147 26
Land.....	1,173 97

Legal services.....	\$4,602 81
Pay-rolls.....	7,811 27
Printing evidence.....	464 43
Rent of Engineers' offices.....	37 50
Rent of mill seat.....	600 00
Taxes.....	8 05
Traveling expenses.....	188 33
Water privilege.....	285 96

Total..... \$19,231 65

CROTON WATER-MAIN FUND.

Altering pipes.....	\$778 98
Building engine and boiler-house.....	6,171 00
Horsekeeping.....	85 65
Pay-rolls.....	529 32
Traveling expenses.....	12 60

Total..... \$7,577 55

METER STOCK.

Water meters.....	\$1,859 50
-------------------	------------

RESTORING AND REPAVING (SPECIAL FUND).

Cement.....	\$27 00
Pay-rolls.....	444 00
Restoring pavements.....	453 00
Sand.....	200 00

Total..... \$1,124 00

STREET IMPROVEMENT FUND.

Fencing—	
First avenue, between Seventy-third and Seventy-fourth streets, M. Mahoney....	\$37 73
Receiving Basins—	
Northeast and southeast corners Jane street and Thirteenth avenue.....	8 70
Regulating, Grading, etc.—	
Fourth avenue, between Ninety-fourth and Ninety-sixth streets, T. F. Kane.....	\$2,289 00
Fourth avenue, between Ninety-sixth and One Hundred and Second streets, T. F. Kane.....	2,868 95
Sixty-second street, between Avenue A and 123 feet east, Thomas Gearty.....	750 80
Seventieth street, between Eighth and Tenth avenues, John Brady..	2,450 00
Ninety-fourth street, between Eighth avenue and Boulevard, James Slattery.....	1,386 00
One Hundred and Fourteenth street, between Tenth and Morning-side avenues, Curran & Rogers.....	2,063 60
One Hundred and Seventeenth street, between Fifth and Sixth avenues, T. F. Kane.....	1,078 00
One Hundred and Twenty-fifth street, between Manhattan street and Boulevard, John Phelan.....	1,417 50
Sewers—	
Avenue B, between Seventy-ninth and Eighty-second streets, Chas. Devlin.....	\$270 15
Avenue B, between Eighty-fourth and Eighty-sixth streets, Chas. J. McKim.....	386 40
Lexington avenue, between Sixty-ninth and Seventy-first streets, J. Mulholland.....	864 78
Lexington avenue, between Seventy-seventh and Seventy-eighth streets, W. E. Dean.....	307 50
Lexington avenue, between One Hundred and Sixth and One Hundred and Eighth streets, J. Slattery.....	2,117 54
Tenth avenue, between Eighty-third and Ninety-second streets, P. S. Masterson.....	1,673 28
West street, between Spring and West Eleventh streets, Jas. Baird..	6,753 60
Cliff street, between Beekman and Ferry, L. Rock.....	61 50
Sixty-ninth street, between Eighth and Ninth avenues, J. Mulholland	1,197 70
Seventy-sixth street, between Eighth and Tenth avenues, Hayden & Curry.....	1,221 71
One Hundred and First street, between Tenth avenue and Summit, East, J. J. Jones.....	1,099 04
One Hundred and Fifth street, between Tenth avenue and Boulevard, P. T. Masterson.....	1,604 27
One Hundred and Fifty-eighth street Outlet, Hudson river, M. H. Moore.....	2,778 86

14,303 85

Traveling expenses.....	20,336 33
Pay-rolls, Engineers—Sewers.....	317 90
“ “ “ Paving.....	2,293 83
“ “ “ Regulating, grading, etc.....	350 00
“ “ “ Sewers.....	1,617 00
Surveying.....	2,536 30
“ “ “ “.....	521 06
Total.....	\$42,322 70

STREET IMPROVEMENTS ABOVE FIFTY-NINTH STREET.

Eleventh avenue, between One Hundred and Fifty-fifth street and Kingsbridge road—	
Pay-rolls, Engineers.....	\$570 94

RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund.....	\$19,231 65
Croton Water-main Fund.....	7,577 55
Meter Stock.....	1,859 50
Restoring and Repaving.....	1,124 00
Street Improvement Fund.....	42,322 70
Street Improvements above Fifty-ninth street.....	570 94
Total.....	\$72,686 34

GENERAL SUMMARY.

Appropriations.....	\$324,506 17
Trust Accounts.....	72,686 34
Total for quarter.....	\$397,192 51

Document “C.”

Contracts made during the three months ending March 31, 1881.

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Jan. 28	Fencing vacant lots on northeast corner of Madison avenue and One Hundred and Twenty-third street.....	Patrick Larney, 325 East 38th street..	\$84 15
“ 29	Fencing vacant lots on east side of Fifth avenue, from Sixty-fifth to Sixty-sixth street, and on north side of Sixty-fifth street and south side of Sixty-sixth street.....	Patrick Larney, 325 East 38th street..	136 95
“ 29	Fencing vacant lots on north side of One Hundred and Fourteenth street, between First and Second avenues.....	Patrick Larney, 325 East 38th street..	16 50
Feb. 10	Sewer in West Fourth street, between West Tenth and Charles streets.....	John B. Healy.....	945 25
“ 10	Sewer in Prince street, between Broadway and Crosby street.....	John B. Healy.....	430 00
“ 10	Branch curve sewer in Eighty-second street at Avenue A.....	M. H. Moore.....	195 00
			\$1,807 85

Contracts completed during the three months ending March 31, 1881.

DATE.	NATURE AND LOCATION OF WORK.	COST.
Jan. 7	Regulating and paving with trap-blocks.....	\$914 20
" 10	Fencing vacant lots.....	45 28
" 10	Sewer.....	2,014 94
" 28	Sewer.....	1,277 87
Feb. 8	Regulating and grading, etc.	2,708 87
Mar. 16	Sewer (Sewerage District No. 18 A).....	35,162 04
" 16	Sewers (Sewerage District No. 12 O).....	16,359 08
" 16	Sewers (Sewerage District No. 11 R).....	124,365 55
" 30	Fencing vacant lots.....	19 50
" 30	Fencing vacant lots.....	374 68
" 31	Fencing vacant lots.....	100 36
" 31	Sewer.....	2,544 38
Jan. 12	.....	8,467 10
" 19	.....	24,511 53
" 18	.....	14,966 48
Mar. 23	Building engine and boiler-house.....	45,771 00
" 28	Laying Croton mains.....	7,935 82
	Total.....	\$287,538 68

RECAPITULATION.

One paving contract.....	\$914 20
One regulating and grading contract.....	2,708 87
Three sewer contracts.....	5,837 19
Four miscellaneous contracts.....	93,716 11
Three Boulevard works.....	175,886 67
One Croton-main contract.....	7,935 82
Four fencing contracts.....	539 82
Seventeen contracts, etc.....	\$287,538 68

Document "D."

DEPARTMENT OF PUBLIC WORKS—CHIEF ENGINEER'S OFFICE,
NEW YORK, April 1, 1881.

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

SIR—In compliance with your instructions, I respectfully submit herewith a report of the transactions of this bureau for the quarter ending March 31, 1881.

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening.....	\$22,076 91
" " " Salaries.....	5,701 26
Croton Water Fund.....	19,556 65
Croton Water-main Fund, No. 2.....	8,117 30
" " " from Taxation.....	622 68
Expenses of Laying Four-foot Mains.....	4,245 12
Laying Croton-pipes.....	25,868 89
" " " Salaries.....	2,961 81
Meter Stock.....	1,859 50
Repairing and Renewal of Pipes, Stop-cocks, etc.....	4,249 34
" " " and Water Inspection—Salaries.....	8,899 79
Supplying Water to Shipping and Building Purposes.....	2,121 00
Water Supply for the Twenty-fourth Ward.....	216 00
" " " Salaries.....	357 00
Total.....	\$106,853 25

THE AQUEDUCT.

During the quarter the work on Aqueduct Repairs, Maintenance, and Strengthening has been confined to the usual work of keeping culverts, drains, and ditches cleared from snow and ice; also the sidewalks of street-crossing over the aqueduct in the several villages through which the aqueduct passes.

In addition to the above, on the first division at Croton dam, 150 cubic yards of building-stone has been delivered.

On the third division at Tarrytown 437 cubic yards of protection wall have been built.

The gates and gate-screens of all the gate-houses of the aqueduct and of the reservoirs and pipe-chambers and pipes have been kept in good order.

STORAGE RESERVOIRS.

Water was drawn from storage reservoirs and lakes, from January 1 to 10 and from February 2 to 10, 1881, as follows:

	Gallons.
Boyd's Corners Reservoir.....	180,000,000
South-East Reservoir.....	291,000,000
Lake Gilead.....	25,000,000
Lake Kirk.....	89,000,000
Lake Mahopac.....	59,000,000
Total amount of storage drawn.....	644,000,000

The necessary labor to open and close the lakes and reservoirs has been employed.

The Commissioners to appraise damages on the Muscote river by the taking of the waters of Kirk and Mahopac have had several meetings during the quarter.

Rain-fall.

	JANUARY.	FEBRUARY.	MARCH.	TOTAL.
	Inches.	Inches.	Inches.	Inches.
Boyd's Corners Reservoir.....	4.19	5.28	6.14	15.61
South-East Reservoir.....	5.06	4.65	6.16	15.87
Kensico Reservoir.....	5.93	5.81	5.54	17.28

The freshets of February and March have filled Boyd's Corners Reservoir and Kirk lake, and nearly filled the other reservoirs.

BRONX RIVER SUPPLY.

The extreme cold weather has stopped all work under contract. Test pits have been dug on the site of the dam at Kensico and of the reservoir at Williams-bridge.

The Commissioners appointed to appraise values, etc., of lands required for reservoir at Kensico and conduit pipe line from Kensico to Hartzdale have held several meetings. The lands required for a reservoir at Rye pond and along the outlet of the same have also been referred by the court to the same commission to appraise values, etc. The surveys, locations, etc., of the route and lands required to divert and use the waters of the Byram river, above the Connecticut State line, into the Bronx river, have been completed and now await the searching of the titles of the land owners, so as to rectify the maps before filing same.

Plans and specifications have been drawn up and printed for laying the 48-inch conduit pipe from Kensico to Hartzdale.

LAYING CROTON PIPES.

Contracts for laying pipes in Washington street, between Canal and Little West Twelfth streets; in Beekman and Mail streets, between Nassau street and Broadway; in One Hundred and Fifty-fourth street, between Courtland and Morris avenues; in One Hundred and Sixty-second street, between Washington and Courtland avenues; in One Hundred and Sixty-seventh street, between Washington and Railroad avenues; in One Hundred and Sixty-third street, between Washington and Third avenues; in One Hundred and Fifty-ninth street, between Third and Elton avenues; in Seventieth street, between First and Second avenues; in One Hundred and Fiftieth street, between Third and Courtland avenues; in One Hundred and First street, between Boulevard and Riverside avenues; in Fourth avenue, between Sixteenth and Seventeenth streets, and in Morris avenue, between One Hundred and Fifty-first and One Hundred and Fifty-fifth streets, have been completed.

One contract for cast-iron water pipes has been filled and completed.

The engines at the high service works at High Bridge and at Ninety-eighth street have steadily performed their work.

The contract for building engine house, boiler house, tower, etc., at Ninety-eighth street has been completed.

One gang of men have been at work placing hydrants where called for by the Fire Department.

Length of pipe, etc., laid during the quarter:

48-inch pipe.....	409 lineal feet.
20- ".....	484 " "
12- ".....	221 " "
6- ".....	347 " "
Total.....	1,461 lineal feet.

17 large hydrants placed.

21 small hydrants placed.

The examinations of pipes, etc., along the wharf has been continued. During the quarter there has been issued:

9 permits for engines on wharfs, amounting to.....	\$165 00
118 " " building purposes, ".....	3,502 50
159 " " shipping, ".....	6,917 13
Amount of water measured by meters.....	14,644 61

Total..... \$25,229 24

During the extreme cold weather a large amount of water was wasted to keep service pipes from freezing, and a large force of inspectors were employed to try and stop this waste.

During the quarter there has been placed 213 meters. Number of meters in use on December 31, 1880, 4,002; number in use to date, 4,215.

I assumed the duties of this office on the 15th of March, so this report covers only about two weeks since that date.

I append herewith the special report on the water supply made in accordance with your instructions.

Very respectfully,

ISAAC NEWTON, Chief Engineer.

NEW YORK WATER SUPPLY.

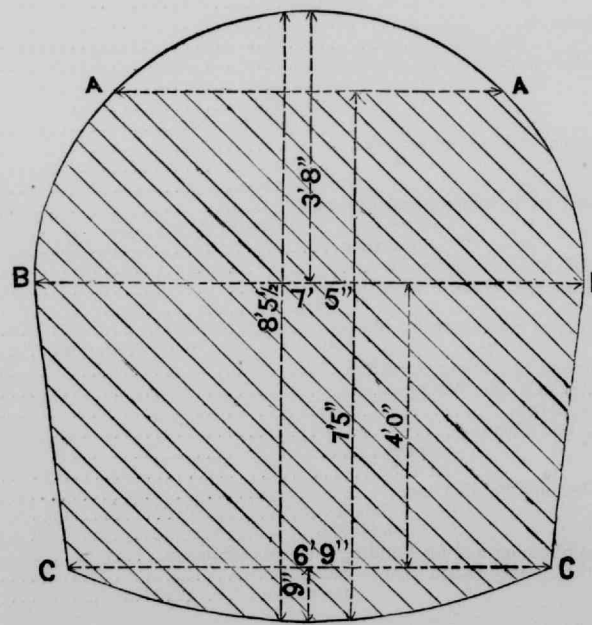
Report to Hon. Hubert O. Thompson, Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
CHIEF ENGINEER'S OFFICE,
NEW YORK, April, 1881.

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

SIR—In accordance with your instructions I beg leave to present the following statement on the water supply of this city:

The Croton Aqueduct, which conveys the entire supply, is of masonry, the bottom being an inverted arch with a chord of six feet nine inches and a curvature of nine inches from the horizontal; the side walls extend four feet above the chord line of the bottom arch, with a batter of one inch to one foot—equal to four inches on each side—making the interior width at the top line of the side walls, which form the abutments of the roof arch, seven feet five inches. The roof is a semi-circle of three feet eight and one-half inches radius. The following outline cross-section of the interior of the aqueduct will make clear this description, as well as other points which will be spoken of:



SCALE $\frac{3}{8}$ " = 1 FOOT.

A A, Average present water level.

B B, Spring line of roof arch.

C C, Chord of bottom arch.

Its entire cross-sectional area is 53.34 square feet; up to the line of average level A A, at which the water is carried, it is 49.55 square feet. The original report of this work indicates that the maximum depth of water intended to be carried was 4 feet 9 inches above the bottom. The designer and constructor of the work is reported to have "estimated the full capacity of the conduit at 60 million gallons per day, and assuming, on the experience of other large cities with similar appliances for furnishing water, that 30 gallons per day for each inhabitant would be an ample supply, this would suffice for a population of 2 million. To deliver this quantity of water the aqueduct need only be filled to the spring line of the arch; a glance at the sketch showing a cross-section of the masonry conduit will show that above that line the power to resist pressure from the outside is greatly diminished." Subsequent experience with this city, as well as with all others which supply water under a constant head in the United States, has shown that this rate of supply is far from being sufficient to meet the imperative demands of increase of manufactures and other unavoidable necessities requiring the use of water.

The utmost capacity of the aqueduct has been variously stated, in different reports, at 90 million to 115 million gallons daily. There is not sufficient data at hand to enable me to state the amount with absolute accuracy, but measurements and calculations recently made show that during the year

1880, the average daily delivery was at least 12,700,000 cubic feet, or 95 million of U. S. gallons. It is not at all probable that the investigation now in progress will increase this estimated capacity more than two or three millions. For the present the maximum safe capacity will therefore be taken at 95 million per day, and the records of the Department show that this rate has been maintained for about seven years. At one time when the flow as estimated was forced to upwards of 103 million, the consequences were disastrous, for this rate caused serious damage to the aqueduct, and it was therefore reduced. To discharge the 95 million gallons requires that the depth of water in the aqueduct, where it is on solid ground, be maintained at about 7 feet 5 inches, that is $12\frac{1}{2}$ inches below the highest point of the roof; where the aqueduct is on embankments and has settled, the above depth brings the water in contact with the roof, so that in those localities the entire section is under pressure from within.

It will therefore be seen that the aqueduct is now, and has been for many years, delivering water to its utmost safe capacity. When the aqueduct is entirely filled, but not under additional pressure, it conveys less water than when a little space is left at the top. To subject the aqueduct to additional pressure would be incurring a fearful and unjustifiable risk, and was never intended in the original plan. From the time the maximum discharge was first reached to the present, the population of the city has increased over twenty-five per cent., so that in each successive year the inadequacy of the water supply has become more and more serious.

The city can receive through the present aqueduct no more than it now conveys; hence, as the population increases, the average supply per head must decrease and the pressure or elevation at which water can be delivered to consumers will constantly diminish. The time is not far distant when the supply will not in many localities rise above the basement, while in some situations the water will be almost wholly cut off. A few years since the water in some localities would run on the fourth floor; a little later barely on the third floor; now in the same house it will hardly flow on the second floor, and in a year or so it will not rise above the basement, which is the case already at times in localities not favored with high service.

This diminution of head is due solely to the fact that in its rapid growth the city has outrun its water supply.

The distinguished constructor of the aqueduct did not anticipate the great increase in the demand for water brought about by the requirements of modern life, the enormous growth of manufactures in the city, the use already probably of between seven and eight thousand steam boilers within the city limits, the steam railways in operation already consuming over one million of gallons daily, nor the provision in every house of water-fittings—often including pumps—from the basement to the upper floors.

New York city is now the largest manufacturing centre in the United States. Its manufactories, stores, warehouses, office buildings have increased in a much higher ratio than the population. Many of the users of these buildings reside out of New York, and the census returns place them on the roll of other cities. It has been estimated by competent authority that the floating population of the city, meaning those who do business here and reside elsewhere, as well as those who are temporary residents at hotels and boarding houses, is upwards of 200,000. These are not included in the official census of the city, and if added would make the actual population nearly one and a half millions. Again, the commerce of the port is represented by a tonnage so vast that it could not have been anticipated forty years ago when our single aqueduct was built. Every large building is provided with elevators operated by steam engines which use great quantities of water.

The history of the water supply of modern cities, since the use of steam power became general, shows conclusively that the necessary consumption of water increases in a much higher ratio than the population.

Regarding the large reservoir in Central Park, proper caution demands that it should be kept as nearly full as possible. The principal object in the construction of this reservoir was to keep an available supply of water in case a break should occur in the aqueduct, making it necessary to shut off the water for examination and repairs. To draw off the water from the aqueduct, and again to renew its delivery into the reservoir requires nearly three days; should a break occur, the time consumed in repairing it must be added to this; such an accident happening when the park reservoir is largely drawn down might be far more than an inconvenience; in case of a large fire it might be a calamity of the most appalling character; the destruction of property might easily in a few hours be far more than the cost of an additional aqueduct. Therefore, it is clear that the supply of water within the city should be maintained as near its maximum as possible, even if some localities, such as high points in the ordinary service, do suffer inconvenience from an occasional deficiency.

Under the circumstances, two things are of vital importance: first, the existing works must be kept in the most efficient condition possible; second, every effort must be made to enforce economy in the use of water, and to prevent its waste.

Only by this course can the city water supply be made to serve with the least inconvenience until additional works are constructed.

This loss of head, if it occurred only in those houses and establishments which waste water to a reckless extent might be considered a just retribution for their wastefulness, but, unfortunately, various classes of people, especially the laboring and others of moderate means, who are obliged to occupy upper stories, suffer to a much greater extent than is generally imagined, many having their supply wholly cut off, and others finding their growing less and less, with all the evils attendant upon such a state of things, as will no doubt be fully shown by the Health Department.

The works now in progress on the Bronx and Byram rivers—besides additional storage reservoirs there—can probably be relied upon to furnish from 15 to 16 millions of gallons daily, as shown by a report on the subject made by Col. J. W. Adams at my request. It will probably require three years to complete them. By that time we shall be but little, if indeed any, better off than we are now. This new supply is so small that the rapid increase of population and manufactories will soon catch up with it; in fact it scarcely equals the present deficiency. It should, moreover, be stated that the Bronx and Byram supply will, for the most part, be available only for the new wards; but a small portion of it can be turned into the present aqueduct. Were it not for the fact that the ordinary inclination of the surface of the water in the lower part of the aqueduct is greater, in consequence of the change made at High Bridge, than it is above, no more water could be safely put into its lower part.

The following table shows the population of the city of New York, from 1870 to 1880, with estimates to 1885:

Year.	Population.	Year.	Population.
1870.....	*942,292	1878.....	§1,137,833
1871.....	†954,636	1879.....	§1,171,740
1872.....	†967,142	1880.....	||1,206,577
1873.....	†979,811	1881.....	§1,242,533
1874.....	†992,646	1882.....	§1,279,500
1875.....	†1,041,886	1883.....	§1,317,691
1876.....	†1,072,934	1884.....	§1,356,958
1877.....	§1,104,907	1885.....	§1,397,395

* U. S. Census of 1870.

† Estimated at annual rate of increase of 1.31 per cent., based upon total increase between U. S. Census of 1870, and New York State Census of 1875.

‡ N. Y. State Census of 1875, including population of annexed district, 36,794.

§ Estimated at annual rate of increase of 2.98 per cent., based upon total increase between N. Y. State Census of 1875, and U. S. Census of 1880.

|| U. S. Census of 1880.

The reports of the Department show that in 1852, when very much less water came through the aqueduct than now, the population being very much smaller, some ninety gallons per head was consumed. At that time the hydrants were allowed to run, the luxury of washing streets and sidewalks was indulged in to a greater extent than now, and water was used in every possible way.

I have stated that the existing works ought to be maintained in the most efficient condition possible. Shortly after assuming the duties of this office, I requested Mr. G. W. Birdsall, First Assistant Engineer, to report the condition of the water service in the city, and make such recommendations as he might think proper for alterations or repairs to pipes and appurtenances. Mr. Birdsall accordingly stated many things which require attention; the most important being the condition of the double line of 6-foot cast iron mains, laid in 1866 to replace the masonry aqueduct from Ninetieth to Eighty-fifth streets and Ninth avenue, through the Central Park to the old receiving reservoir. Many of the pipes broke soon after being laid, owing probably to the settlement of the streets. One of these lines was abandoned some time since, and is now partly taken up; the other was repaired about two years ago, but less than one-third of the quantity it should deliver is now running through it into the old receiving reservoir, which is, in consequence of having such an inadequate connection with the aqueduct almost wholly useless. It is of the first importance that sufficient conduits should be laid to connect this reservoir with the aqueduct; not till then will it be an important adjunct to the service in the city, by shortening time of recovering the head, when the water in the large reservoir has been drawn down.

The capacity of the small reservoir being about 150,000,000 of gallons, whilst the capacity of the large one is about 1,000,000,000, if the full delivery of the aqueduct can be turned into the former, the time required to recover the head, other things being equal, would be less than one-sixth of what it is under the present condition of things. This condition will be somewhat ameliorated by the completion of the 4-foot main now being connected with the large pipes on the Tenth avenue and the old receiving reservoir. I do not propose to abandon these 6-foot mains before making a thorough examination to see if it is not possible to strengthen them so that it will be safe to use them to their full capacity, as intended.

I requested Mr. B. S. Church, Resident Engineer, to report the condition of the aqueduct and suggest such repairs and improvements as his experience showed would add to its safety and efficiency. Mr. Church made several important recommendations, notably a plan for strengthening the aqueduct on the most dangerous places on its line, where it crosses valleys on embankments and where it has settled and cracked. These locations will always be a source of anxiety until they are thoroughly strengthened. He also suggests a method of shutting off the water from sections of a few miles so that repairs can be effected without emptying its entire length.

As you are aware, I have with your concurrence taken steps to have these necessary improvements carried out as soon as practicable.

The following table shows the quantity of water which has run to waste over the Croton dam from the year 1868 to 1880, and is of the utmost importance in any estimate that may be made of the available supply from the Croton water shed, which vital question I am now studying with Mr. E. S. Chesbrough:

Table showing Waste of Water over Croton Dam.

MONTHS.	1868.		1869.		1870.		1871.		1872.		1873.		1874.	
	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.
January.....	7.66	299,813,000	8.67	343,350,000	13.51	657,000,000	1.16	22,125,000	7.73	285,300,000	13.34	639,322,500	13.78	675,600,000
February.....	3.65	87,636,000	14.31	712,950,000	14.31	712,950,000	7.47	271,875,000	4.76	137,370,000	7.56	272,250,000	10.68	465,000,000
March.....	13.70	675,234,000	16.48	847,972,500	12.19	557,550,000	12.40	585,000,000	5.50	170,872,500	12.09	550,950,000	10.76	472,500,000
April.....	16.33	867,997,000	12.26	568,492,500	14.64	739,050,000	8.20	307,500,000	11.36	517,500,000	20.50	1,229,820,000	12.45	585,000,000
May.....	17.87	995,175,000	10.51	461,325,000	7.14	255,000,000	7.85	292,500,000	4.36	147,750,000	20.88	1,375,000,000	10.84	478,500,000
June.....	12.26	567,487,000	5.41	170,250,000	2.83	60,600,000	5.57	172,500,000	4.94	147,375,000	0.72	8,550,000	3.41	82,500,000
July.....	4.24	116,122,000	1.48	24,337,500	0.82	9,000,000	2.42	51,750,000	1.16	20,775,000	.....	.....	3.08	69,000,000
August.....	7.30	261,112,000	.....	.....	0.80	9,000,000	2.49	52,350,000	5.25	159,375,000	1.36	21,000,000	1.99	37,425,000
September.....	16.73	908,317,000	.....	.....	.....	.....	1.70	30,825,000	4.86	142,500,000	0.35	3,150,000	0.55	4,725,000
October.....	10.90	476,797,000	9.45	387,750,000	0.108	750,000	7.31	234,000,000	4.40	126,000,000	4.44	120,000,000	1.99	37,425,000
November.....	13.96	693,150,000	8.10	300,000,000	2.04	37,500,000	13.53	657,750,000	9.92	417,750,000	5.78	206,250,000	1.23	20,250,000
December.....	3.85	104,250,000	11.19	496,875,000	2.04	37,500,000	8.58	330,000,000	5.93	187,500,000	11.53	516,750,000	3.05	68,850,000
Average Daily Waste in U. S. Gallons per Year ..	....	504,424,000	....	327,300,000	....	256,325,000	....	250,680,000	....	205,005,000	....	403,582,000	....	249,750,000

MONTHS.	1875.		1876.		1877.		1878.		1879.		1880.	
	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.	Depth on Crest of Dam. Inches.	Average Daily Waste per Month. Gallons.
January.....	0.88	11,077,500	5.74	179,100,000	2.40	51,750,000	9.50	387,967,500	5.54	171,000,000	9.90	418,500,000
February.....	11.83	533,925,000	12.62	593,250,000	6.11	199,200,000	13.11	628,500,000	9.40	382,500,000	11.04	483,750,000
March.....	10.10	419,250,000	18.34	1,035,000,000	19.65	1,155,900,000	13.08	620,925,000	13.74	675,000,000	10.79	472,500,000
April.....	16.45	888,000,000	17.56	975,000,000	10.71	472,500,000	6.70	232,320,000	16.16	862,500,000	8.10	300,750,000
May.....	6.80	231,525,000	7.50	272,175,000	2.77	61,350,000	5.99	194,700,000	7.40	268,500,000	2.89	67,500,000
June.....	0.70	8,550,000	1.63	25,500,000	1.00	13,245,000	5.53	171,000,000	2.80	60,000,000	0.22	1,650,000
July.....	0.40	4,125,000	0.17	900,000	.....	.....	1.37	22,650,000	1.40	22,500,000	0.30	2,400,000
August.....	15.07	771,750,000	.....	.....	.....	.....	1.39	22,875,000	4.00	105,975,000	.....	.....
September.....	2.93	67,500,000	.....	.....	.....	.....	6.81	245,250,000	3.93	105,000,000	.....	.....
October.....	0.23	1,650,000	.....	.....	.....	.....	2.47	52,375,000	1.51	24,375,000	.....	.....
November.....	8.05	300,000,000	1.80	30,825,000	13.68	672,225,000	6.87	245,000,000	2.60	54,000,000	0.63	6,000,000
December.....	6.90	240,000,000	0.03	187,500	7.05	245,400,000	20.03	1,185,135,000	7.54	272,250,000	0.23	1,687,500
Average Daily Waste in U. S. Gallons per Year ..	....	289,777,000	....	259,327,000	....	243,661,000	....	334,140,000	....	250,300,000	....	146,233,000

NOTE.—As the flow over a dam does not vary directly as the depth of water on it, and the averages being made from single daily measurements, the above table is not absolutely accurate, but is as close an approximation as is required.

It is probable that with adequate storage and an aqueduct of sufficient capacity to carry it, at least 200 millions of gallons per day—more than twice our present supply—may be relied upon to be delivered into the city in the driest years of which we have any record.

With respect to its water supply, this city is having the same experience that every large city has had; the quantity originally provided for being found inadequate, measures are taken to secure an increased supply.

In Baltimore, Philadelphia, Boston, Cincinnati, St. Louis, and Chicago, additional works have been found necessary and carried out. The demand in this city must be met by the construction of a new aqueduct. It cannot be urged too strongly that a city of such great and constantly increasing magnitude as New York should not rely upon one aqueduct only. No other city of equal importance in Christendom is so dependent upon a single engineering structure. A liberal supply of pure water is as important as sunlight, and I believe it is the sense of the community that such a supply should be led into the city as soon as it is possible to do so.

Other interesting points might have been mentioned, but I have not thought it necessary to embody them in this general report.

Respectfully submitted,

ISAAC NEWTON, Chief Engineer.

Having studied this subject carefully for upwards of a month, I concur with Mr. Newton in the foregoing statements and recommendations; above all in reference to the great importance of beginning as soon as practicable the construction of a new aqueduct.

E. S. CHESBROUGH.

Document "E."

DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, 31 CHAMBERS STREET, ROOM 1,
NEW YORK, April 9, 1881.

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

SIR—The following is the report of this Bureau for the months of January, February, and March, 1881:

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

All breaks in the pipes, stop-cocks, and fire hydrants occurring during the quarter have been promptly repaired. The rapid growth of the upper portion of the city, with the great extension of the Croton water-mains, has made necessary a division of the Third or uptown District, which formerly extended from Fifty-ninth street to the northern limit of the city; One Hundred and Twenty-fifth street now divides the Third from the Fourth, or new, District.

REPAIRS AND RENEWAL OF PAVEMENTS.

The long continuance of ice and snow in the streets precluded the necessity for much work under this head. Whenever any dangerous places in the pavements were reported by inspectors, police, or citizens they were promptly repaired.

PUBLIC DRINKING HYDRANTS.

Little work under this head has been necessary during the quarter. Such repairs as were required to the small hydrants were made. The repairs to the man-and-beast hydrants are now progressing.

The inclosed statement shows the number of men employed in this Bureau during the quarter, with the amounts of pay-rolls.

During the quarter seventeen permits to construct vaults were issued, for which six thousand seven hundred and twenty-three 53-100 (\$6,723.53) was received.

Respectfully,

DANIEL O'REILLY, Water Purveyor.

Statement showing the Number of Men employed during the Months of January, February, and March, 1881, with Amounts of Pay-rolls.

MONTHS, 1881.	REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.				REPAIRS AND RENEWAL OF PIPES, STOP-COCKS, ETC.			
	No. Men.	Labor.	No. Men.	Salaries.	No. Men.	Labor.	No. Men.	Salaries.
January....	8	\$316 47	8	\$616 50	62	\$3,158 22	8	\$799 46
February....	9	359 00	9	598 00	64	3,286 20	8	771 60
March.....	11	412 94	10	743 50	67	3,523 65	8	810 43
Totals..	28	\$1,088 41	27	\$1,958 00	193	\$9,968 07	24	\$2,381 49

MONTHS, 1881.	LAYING CROTON PIPES.				AQUEDUCT—REPAIRS AND MAINTENANCE.			
	No. Men.	Labor.	No. Men.	Salaries.	No. Men.	Labor.	No. Men.	Salaries.
January....	15	\$519 86	11	\$553 16	..	.....	..	.....
February....	12	495 91	12	626 51	..	.....	..	.....
March.....	10	444 69	5	290 92	10	\$323 42	4	\$263 92
Totals..	37	\$1,460 46	28	\$1,470 59	10	\$323 42	4	\$263 92

Document "F."

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS,
NO. 31 CHAMBERS STREET, ROOM 9,
NEW YORK, April 8, 1881.

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 office for the quarter ending March 31, 1881.

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 March 31, 1881.

Credit to General Fund—	
Amount received for 220 permits for sewer connections.....	\$5,618 25
Engineers' Fees—	
Amount of Engineers' or Surveyors' fees assessed on property benefited, charged on assessment lists and credited to Street Improvement Fund.....	\$1,738 50
Salaries—Sewerage System—	
Appropriation for the year 1881.....	\$13,000 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Engineers, etc.....	\$3,330 15
Balance on hand March 31, 1881.....	9,669 85
	13,000 00
Salaries—Sewers—Repairing and Cleaning—	
Appropriation for the year 1881.....	\$33,500 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Inspectors, etc.....	\$4,624 74
Balance on hand March 31, 1881.....	28,875 26
	33,500 00
Sewers—Repairing and Cleaning—	
Appropriation for the year 1881.....	\$91,500 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of laborers, etc.....	\$5,932 44
Special repairs.....	6,998 97
Materials and sundries.....	1,647 41
Balance on hand March 31, 1881.....	76,921 18
	91,500 00

Sewers—Repairing and Cleaning, 1880—	
Balance on hand December 31, 1880.....	\$374 32
Vouchers transmitted to the Commissioner of Public Works—	
Transportation expenses, etc.....	\$129 02
Balance on hand March 31, 1881.....	245 30
	374 32

Restoring and Repairing—Special Fund, D. P. W.—	
Amount received since January 1, 1881, to March 31, 1881, for 268 permits for street openings.....	\$2,990 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Inspectors, etc.....	\$750 00
Materials.....	200 00
Restoring and repaving.....	453 00
	1,403 00

Contingencies, D. P. W.—	
Vouchers transmitted to the Commissioner of Public Works.....	\$89 07
Transportation expenses, Engineers, etc.....	89 07

Street Improvement Fund—	
Vouchers transmitted to the Commissioner of Public Works.....	\$27,966 76
Pay-rolls of Engineers, etc.....	\$3,451 83
Pay-rolls of Inspectors on Sewers.....	3,852 00
On contracts for sewers.....	20,345 03
John Avery as "Engr. Transportation, Exp.".....	317 90
	27,966 76

Work by Mechanics and Laborers, William Webb, Foreman—

564 receiving basins and culverts cleaned.
4,670 lineal feet of sewer cleaned.
1,032 lineal feet of sewer rebuilt.
68 lineal feet of culvert rebuilt.
60 lineal feet of spur-pipe laid.
86 lineal feet of new curb set.
19 receiving basins rebuilt.
15 receiving basins repaired.
22 new basin heads put on.
35 new basin covers put on.
11 manholes repaired.
6 new manhole heads put on.
4 manhole heads reset.
31 new manhole covers put on.
1,565 cubic feet of rubblestone wall built.
1 crib built.
62 square feet of sidewalk relaid.
16 square feet of new flagging laid.
89 square feet of flagging relaid.
577 square yards of pavement relaid.
6,716 cubic yards of earth excavated and refilled.
1,273 cart-loads of dirt removed.

Work done by contract—

2,007 lineal feet of sewer built.
19 new basin heads furnished and set.
30 cubic yards of brick-work built.
60 lineal feet of new curb laid.
120 square feet of flagging laid.

Making the present total length of sewerage in the city 1,990,998 lineal feet (377.08 miles), with 4,573 receiving basins.

Document "G."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREET IMPROVEMENTS, ROOM 5, 31 CHAMBERS STREET,
NEW YORK, April 4, 1881.

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

SIR—In compliance with your instructions, I beg to hand you herewith a report of the transactions of the Bureau of Street Improvements, for the quarter ending March 31, 1881.

Respectfully,

GEO. A. JEREMIAH, Sup't Street Improvements.

STATEMENT SHOWING THE AMOUNT OF WORK DONE DURING JANUARY, FEBRUARY, AND MARCH, 1881.

Earth excavation, cubic yards.....	7,765
Rock ".....	8,401
Filling furnished, ".....	31,472
Curb and gutter stones set, lineal feet.....	1,049
Curb-stones set, ".....	207
Flagging laid, square feet.....	5,148
Picket fence built, lineal feet.....	1,444 8½
Bridge stone laid, square feet.....	109 100
Belgian pavement laid, square yards.....	370 8

APPROPRIATIONS.

Street Improvements—	
For surveying, monumenting, and numbering of streets.....	\$1,000 00
Salaries.....	250 00
	\$1,250 00
Liabilities.....	139 16
	\$1,110 84
Flagging sidewalks and fencing vacant lots in front of City Property.....	\$1,500 00
Liabilities.....	None.

AMOUNT OF VOUCHERS DRAWN.

On account of regulating, grading, etc.—	
Street Improvement Fund, June 9, 1880.....	\$3,125 00
" " contracted for after June 9, 1880.....	16,817 56
Street Improvements above Fifty-ninth street, June 9, 1880.....	809 88
Contingencies—Department of Public Works.....	62 50
Total.....	\$20,814 94

WORKS COMPLETED.

Regulating, Grading, Paving, etc.—	
Sixty-second street, ——— avenue to East river.....	\$914 20
Regulating, Grading, etc.—	
One Hundred and Fourteenth street, Tenth avenue to Morningside avenue.....	2,708 87
	\$3,623 07
Fencing Vacant Lots—	
North side First avenue, Seventy-third and Seventy-fourth streets, etc.	\$45 28
Northeast corner Madison avenue and One Hundred and Twenty-third street.....	100 36
South side Eighty-third street, Eighth and Ninth avenues, etc.....	374 68
South side One Hundred and Fourteenth street, First and Second avenues.....	19 50
	539 82
Total.....	\$4,162 89

Statement of Works in Progress in the Bureau of Street Improvements on the 31st day of March, 1881.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED AMOUNT.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, Grading, Curb, Gutter, and Flagging— Lexington avenue, Ninety-sixth street to Ninety-seventh street.....	Albert J. Riss.....	Frank E. Towle.....	Cornelius Flynn.....	50 days.	\$872 70	.....	.....	.....
Fourth avenue, Ninety-fourth street to Ninety-sixth street.....	Thomas F. Kane.....	M. A. Kellogg.....	Suspended.....	90 "	3,666 30	.....	.....	.....
Fourth avenue, Ninety-sixth street to One Hundred and Second street.....	Thomas F. Kane.....	W. V. Smith.....	Walter S. Edwards.....	150 "	17,100 00	\$9,806 00	\$2,941 80	\$6,864 20	
Fourth avenue, One Hundred and Fifteenth street to One Hundred and Sixteenth street.....	James J. Jones.....	M. A. Kellogg.....	Suspended.....	50 "	1,596 90	.....	.....	.....
Sixty-first street, Tenth avenue to Eleventh avenue.....	William E. Dean.....	John E. Eustis.....	James Harford.....	40 "	1,695 10	.....	.....	.....
Sixty-sixth street, Eighth avenue to Boulevard.....	John Mulholland.....	F. M. Leonard.....	Myron B. Silkman.....	300 "	14,372 76	6,626 50	1,987 95	4,638 55	
Seventieth street, Eighth avenue to Tenth avenue.....	John Brady.....	M. Lovell.....	James J. Fitzgerald.....	300 "	18,305 00	15,000 00	4,500 00	10,500 00	
Seventy-first street, Fifth avenue to East river.....	Thomas Gearty.....	W. V. Smith.....	George W. Nash.....	120 "	6,536 00	.....	.....	.....
Seventy-third street, Third avenue to East river.....	Patrick Farley.....	W. V. Smith.....	John Lawrence.....	300 "	40,237 00	16,114 00	4,834 20	11,279 80	
Eighty-fifth street, Ninth avenue to Tenth avenue.....	Thomas F. Kane.....	W. V. Smith.....	Patrick Browne.....	100 "	4,487 80	.....	.....	.....
Ninety-fourth street, Eighth avenue to Boulevard.....	James Slattery.....	Frank E. Towle.....	James McNany.....	200 "	12,661 10	1,980 00	594 00	1,386 00	
Ninety-fifth street, Lexington avenue to Fifth avenue.....	James Williams.....	Frank E. Towle.....	Suspended.....	100 "	7,114 50	6,592 50	1,977 75	4,614 75	
Ninety-seventh street, Eighth avenue to Boulevard.....	Albert J. Riss.....	William M. Dean.....	Archie J. Biglin.....	170 "	14,462 50	6,973 10	2,091 93	4,881 17	
Ninety-eighth street, Eighth avenue to Boulevard.....	Thomas L. Butler.....	M. A. Kellogg.....	Suspended.....	150 "	8,242 50	.....	.....	.....
One Hundred and First street, Ninth avenue to New avenue.....	Charles Devlin.....	M. A. Kellogg.....	Suspended.....	300 "	4,932 40	.....	.....	.....
One Hundred and Thirtieth street, Fourth avenue to Fifth avenue.....	Thomas F. Gallagher.....	W. V. Smith.....	James J. Finley.....	100 "	2,955 00	.....	.....	.....
One Hundred and Seventeenth street, Fifth avenue to Sixth avenue.....	Thomas F. Kane.....	William M. Dean.....	Robert J. Wilkinson.....	175 "	5,741 00	3,052 00	915 60	2,136 40	
One Hundred and Twenty-fifth street, Manhattan street to Boulevard.....	John Phelan.....	W. V. Smith.....	Patrick H. Kedney.....	450 "	17,911 47	.....	.....	.....
One Hundred and Fifty-third street, Avenue St. Nicholas to Tenth avenue.....	James Reilly.....	Eugene E. McLean.....	Israel Howard Kinch.....	60 "	910 00	.....	.....	.....
One Hundred and Seventy-fifth street, Tenth avenue to Kingsbridge road.....	T. F. Curran and N. Rogers.....	M. A. Kellogg.....	Not yet appointed.....	300 "	21,963 00	.....	.....	.....
Special Contracts.									
Regulating and Grading— Ninth avenue, One Hundred and Fiftieth street to Avenue St. Nicholas.	James Reilly.....	W. V. Smith.....	.....	20 "	633 50	.....	.....	.....
Flagging— Ninth avenue, Seventy-first street to Seventy-second street.....	Michael Mahony.....	Frank E. Towle.....	.....	20 "	554 88	.....	.....	.....
Fifty-eighth street, Sixth avenue to Seventh avenue.....	M. A. Kellogg.....	Eugene E. McLean.....	.....	20 "	662 32	.....	.....	.....
Fencing Vacant Lots— Fourth avenue, Seventy-fifth street to Seventy-sixth street.....	Michael Mahony.....	John E. Eustis.....	.....	20 "	35 65	.....	.....	.....
East side Fifth avenue, Sixty-fifth street to Sixty-sixth street.....	Patrick Larney.....	John E. Eustis.....	.....	20 "	130 95	.....	.....	.....
Madison and Fifth avenues, Eighty-fifth street to Eighty-sixth street.....	Michael Mahony.....	Wm. M. Dean.....	.....	20 "	176 08	.....	.....	.....
North side Forty-fifth street, Ninth avenue to Tenth avenue.....	Michael Mahony.....	Eugene E. McLean.....	.....	20 "	48 05	.....	.....	.....
South side Fifty-eighth street, Sixth avenue to Seventh avenue.....	Michael Mahony.....	Eugene E. McLean.....	.....	20 "	88 35	.....	.....	.....
North side Fifty-eighth street, Sixth avenue to Seventh avenue.....	Michael Mahony.....	Eugene E. McLean.....	.....	20 "	178 25	.....	.....	.....
South side Fifty-ninth street, Seventh avenue to Sixth avenue.....	Michael Mahony.....	Eugene E. McLean.....	.....	20 "	156 55	.....	.....	.....
Boulevard and Avenues— Eleventh avenue, One Hundred and Fifty-fifth street to Kingsbridge road.....	Michael Noonan.....	George E. Babcock.....	John L. Florence.....	300 "	65,523 20	53,545 60	16,063 68	37,481 92	
Total.....					\$273,956 81	\$119,689 70	\$35,906 91	\$83,782 79	

NEW YORK, March 31, 1881.

GEO. A. JEREMIAH, Superintendent of Street Improvements.

Document "H."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS,
No. 31 CHAMBERS STREET,
NEW YORK, April 19, 1881.

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

SIR—In compliance with your instructions, I have the honor to submit herewith my report of the transactions of the Bureau of Streets and Roads for the quarter ending March 31, 1881.

On the 10th of January, 1881, you transferred to this bureau the care and maintenance of the boulevards and Macadam roadways. These roadways are all north of Fifty-ninth street, and consequently in the same district in which the other works of the bureau are located, and the work is of similar character to that of maintaining the streets and roads, which have always been under the charge of this bureau. I have given and will continue to give the maintenance of the drives my constant and careful attention. Until the latter end of the quarter, they were covered with snow and ice affording excellent opportunity for sleighing, which the driving public was not slow to take advantage of. All that time the principal work was to keep the roadways smooth and the sidewalks clean for pedestrians. Owing to the small amount appropriated in past years, most of the Macadam roadways will this year require extensive repairs and resurfacing, and this work will be done at an early day.

The following are the principal items of work done on the unpaved streets, roads, and avenues:

Repairing Fifth avenue from One Hundred and Third to One Hundred and Fifteenth street.
Repairing Tenth avenue from One Hundred and Fortieth to One Hundred and Fifty-fifth street.
Repairing Lexington avenue from One Hundred and Sixth to One Hundred and Seventeenth street.
Repairing Macomb's Dam road from Eighth avenue to One Hundred and Fifty-fifth street.
Repairing Farmers' Bridge road from Kingsbridge road to Bridge.
Repairing One Hundred and Thirty-fifth street from Sixth avenue to Avenue St. Nicholas.
Repairing One Hundred and Fifty-fifth street from Eighth avenue to Macomb's Dam road.
Repairing Barry's Hill from Seventh avenue to Macomb's Dam road.
Repairing New avenue from One Hundred and Fourth to One Hundred and Ninth street.
Repairing Ninth avenue from Ninetieth to Ninety-fourth street.
Repairing Kingsbridge road from One Hundred and Sixty-fourth to One Hundred and Sixty-ninth street with broken stone and sharp gravel.
Repairing Inwood lane from Kingsbridge road to Hudson river.
Excavating rock on Kingsbridge road and One Hundred and Seventy-first street.
Repairing and cleaning drains on Kingsbridge road from One Hundred and Sixty-second street to Inwood lane.

The following are the amounts appropriated for "Boulevards, Roads, and Avenues—Maintenance of:"

For the year 1881.....	\$66,200 00
Amount expended for the quarter ending March 31, 1881:	
For cleaning roads and gutters.....	\$2,095 47
For removing snow.....	102 34
For repairing roads.....	542 24
For spreading gravel.....	51 30
For sprinkling.....	32 40
For repairing monitors.....	496 64
For cultivating trees.....	88 80
For materials.....	2,600 08
	6,009 27

Balance April 1, 1881..... \$60,190 73

The following is the amount appropriated for "Boulevards, Roads, and Avenues, Maintenance of," and for "Incidental Surveys—Salaries" for the year 1881..... \$8,800 00
For pay-rolls of foremen and mechanics, etc..... 3,174 93

Balance April 1, 1881..... \$5,625 07

The force employed during the quarter ending March 31, 1881, on "Boulevards, Roads, and Avenues—Maintenance of, and Salaries," etc., was: 2 assistant engineers, 2 rodmen, 6 axemen, 1 messenger, 30 laborers, 3 foremen, 1 blacksmith, 2 carpenters, 1 painter, 18 teams, and 1 watchman. Rebuilding culvert on One Hundred and Forty-third street from Tenth avenue to the Boulevard. Filling large holes with earth on Kingsbridge road.

The following is the amount appropriated for "Roads, Streets, and Avenues Unpaved—Maintenance of," for the year 1881..... \$29,100 00

Amount expended for the quarter ending March 31, 1881:	
For materials.....	\$1,915 75
For repairs to tools, etc.....	65 30
For labor.....	1,745 26
	3,727 31

Balance April 1, 1881..... \$25,372 69

Amount appropriated for "Roads, Streets, and Avenues Unpaved—Maintenance of," salaries for the year 1881..... \$900 00
Amount expended for the quarter ending March 31, 1881: for salaries..... 267 00

Balance April 1, 1881..... \$633 00

The force employed during the quarter ending March 31, 1881, on "Roads, Streets, and Avenues Unpaved—Maintenance of, and Salaries," etc., was 1 foreman, 12 laborers, 6 teams, and 2 horses and carts.

Respectfully,

JAMES J. MOONEY, Superintendent of Streets.

Document "I."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF LAMPS AND GAS,
NEW YORK, April 12, 1881.

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

SIR—In accordance with your directions, I herein submit a report of the transactions of the Bureau of Lamps and Gas for the three months ending March 31, 1881.

In Exhibit "A" will be found a statement showing the amounts paid for gas to the various public markets, offices, armories, etc., and for the lighting and maintenance of the public lamps. Exhibit "B" is a summary of the appropriation for "Lamps and Gas," showing an expenditure during the quarter of eighty-one thousand four hundred and thirteen dollars and forty-seven cents (\$81,413.47), with liabilities amounting to thirty-five thousand eight hundred and five dollars and eighty-nine cents (\$35,805.89). Exhibit "C" is a summary of the appropriation for "Salaries—Lamps and Gas," showing an expenditure of fourteen hundred and thirty-two dollars and fifty cents (\$1,432.50). Exhibit "D" is a summary of the "Lamp Account," and shows the number of new lamps lighted, old lamps relighted, and lamps discontinued by each gas company during the quarter; the total number of gas lamps lighted on March 31, 1881, being 23,343, and the number of electric being 22; these electric lamps, as stated in my report of December 31st last, are lighted without expense to the city. Exhibit "E" is a statement showing the lowest, highest, and average illuminating power of the gases supplied by the several gas-light companies during the quarter.

The following table will show the amount of impurities found in the gases of the several companies by the analyses made by Dr. Love, our Gas Examiner, in the laboratories of this Department:

OF WHAT COMPANY.	SULPHUR. Grs. in 100 cu. ft.	AMMONIA. Grs. in 100 cu. ft.	SULPHURETTED HYDROGEN.
New York Gas-light Co.....	7.76	0.17	None.
Manhattan Gas-light Co.....	19.62	7.07	"
New York Mutual Gas-light Co.....	5.16	0.20	Frequent traces.
Municipal Gas-light Co.....	3.08	0.15	None.
Metropolitan Gas-light Co.....	18.36	4.38	"
Harlem Gas-light Co.....	30.44	1.36	Occasional traces.

The tests for the above were made with the "Referee's" apparatus; the amount of gas burned for each test was ten cubic feet, the volume being corrected to the standard barometric pressure of thirty inches of mercury, and the temperature of sixty degrees Fahr.

The following is the specific gravity of the gases:

New York Gas-light Company, specific gravity.....	.645 to .677
Manhattan Gas-light Company, ".....	.402 to .431
N. Y. Mutual Gas-light Company, ".....	.730 to .770
Municipal Gas-light Company, ".....	.643 to .652
Metropolitan Gas-light Company, ".....	.564 to .593
Harlem Gas-light Company, ".....	.436 to .447

The following will show the average maximum and minimum pressure on the mains of the several gas companies during the quarter, as recorded on the pressure registers in the photometrical rooms:

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
New York Gas-light Co.....	Inches. 2.05	Inches. 1.58	Grand and Centre streets.....	2 4-100 miles
Manhattan Gas-light Co.....	1.95	1.27	" "	1 33-100 "
New York Mutual Gas-light Co....	2.67	1.86	" "	1 79-100 "
Municipal Gas-light Co.....	3.21	1.19	" "	3 50-100 "
Metropolitan Gas-light Co.....	1.96	0.91	{ Seventy-ninth street, between } { Second and Third avenues. }	3 33-100 "
Harlem Gas-light Co.....	3.01	1.41	{ Seventy-ninth street, between } { Second and Third avenues. }	1 75-100 "

All of which is respectfully submitted,

S. MCCORMICK, Superintendent of Lamps and Gas.

EXHIBIT "A."

Statement showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Armories, Offices, etc., and for Fitting up, Repairing, and Lighting the Public Lamps, etc., for the Quarter ending March 31, 1881.

Washington Market	\$460 24	
Catharine Country Market	26 06	
Catharine Meat Market	15 76	
Fulton Meat Market	125 65	
Fulton Country Market	290 15	
Essex Market	90 47	
Centre Market	304 67	
Clinton Market	218 57	
Union Market	11 55	
Tompkins Market	261 81	
Jefferson Market	116 37	
First District Police Court	\$190 05	\$1,921 30
Second District Police Court	122 68	
Third District Police Court	98 52	
Fourth District Police Court	68 96	
Fifth District Police Court	29 69	
Court of Special Sessions	36	
Second District Civil Court	12 07	
Fourth District Civil Court	5 77	
Fifth District Civil Court	11 38	
Sixth District Civil Court	2 62	
Eighth District Civil Court	2 98	
Ninth District Civil Court	4 27	
Brown Stone (Court Room) Building	36 90	
New Court-house	1,164 27	
City Hall	511 18	
Department of Public Works	237 89	
Receiver of Taxes' Office	226 79	
Corporation Attorney's Office	44 28	
Pipe Yard, Rivington street	7 70	
County Jail	574 70	
Clock Tower, Third District Court-house	227 33	
South Gate House	13 49	
Engineer of Boulevard's Office	45	
Engine House, High Bridge	80 99	
Engine House, Ninety-eighth street	185 84	
Photometrical Room, Grand street	31 24	
Photometrical Room, Seventy-ninth street	12 41	
Armory, Fifth Regiment	\$205 62	3,904 82
Armory, Seventh Regiment	1,374 80	
Armory, Eighth Regiment	207 72	
Armory, Ninth Regiment	547 75	
Armory, Eleventh Regiment	97 48	
Armory, Twelfth Regiment	275 46	
Armory, Twenty-second Regiment	417 73	
Armory, Sixty-ninth Regiment	295 22	
Armory, Seventy-first Regiment	190 05	
Armory, Separate Troop "A"	26 26	
Armory, Gatling Battery "E"	78 57	
Armory, Battery "B"	23 97	
Armory, Battery "K"	10 50	
Lighting Public Markets, pay-rolls	\$285 00	3,751 13
Cleaning Photometrical Room, pay-rolls	15 00	
New street-lamps	450 00	
New Boulevard lamps	400 00	
Supplies for Photometrical Rooms	297 69	
Repairing Public Gas Mains	9 96	
Traveling expenses	77 50	
Photometrical Room, Grand street, rent	87 50	
Photometrical Room, Seventy-ninth street, rent	75 00	
Resetting and repairing lamp-posts	338 00	
Lighting public lamps	\$52,465 61	2,035 65
Lighting public lamps, Twenty-third and Twenty-fourth Wards	17,334 96	
Total	\$81,413 47	69,800 57

RECAPITULATION.

Gas to public buildings	\$9,577 25	
Supplies for public lamps, etc.	1,697 65	
Resetting and repairing lamp-posts	338 00	
Lighting public lamps	\$52,465 61	
Lighting public lamps, Twenty-third and Twenty-fourth Wards	17,334 96	
Total	\$81,413 47	69,800 57

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas" for 1881, showing the Balance against which no Vouchers have been drawn, with the Amount of Liabilities against the Appropriation, for the Quarter ending March 31, 1881.

Amount appropriated for "Lamps and Gas" for 1881	\$530,000 00
Amount of vouchers drawn during the month of January	\$100 00
Amount of vouchers drawn during the month of February	39,110 71
Amount of vouchers drawn during the month of March	42,202 76
Total	\$81,413 47
Balance against which no vouchers have been drawn	\$448,586 53

LIABILITIES.

New York Gas-light Co., lighting public lamps, month of March	\$4,562 84
Manhattan Gas-light Co., lighting public lamps, month of March	8,473 00
Metropolitan Gas-light Co., lighting public lamps, month of March	5,464 70
N. Y. Mutual Gas-light Co., lighting public lamps, month of March	1,274 28
Harlem Gas-light Co., lighting public lamps, month of March	6,744 07
Central Gas-light Co., lighting public lamps, month of March	4,966 50
Northern Gas-light Co., lighting public lamps, month of March	3,542 50
Yonkers Gas-light Co., lighting public lamps, month of March	220 00
American Meter Co., photometrical apparatus	146 00
J. L. Mott, Iron Works, 300 lamp irons	190 00
Composite Iron Works Co., 300 crossheads	222 00
Total	\$35,805 89
Balance available March 31	\$412,780 64

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas—Salaries chargeable to," for 1881, showing the Balance against which no Vouchers have been drawn, for the Quarter ending March 31, 1881.

Amount appropriated for "Lamps and Gas—Salaries" for 1881	\$5,400 00
Amount of vouchers drawn during the month of January	\$477 50
Amount of vouchers drawn during the month of February	470 50
Amount of vouchers drawn during the month of March	484 50
Total	\$1,432 50
Balance available March 31	\$3,967 50

EXHIBIT "D."

Summary of the "Lamp Account," showing the number of New Lamps Lighted, Old Lamps Relighted, and number Discontinued by each Gas Company, during the Quarter ending March 31, 1881.

NEW YORK GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	3,573
Number of new lamps lighted during the quarter	1
Number of old lamps relighted during the quarter	3,574
Less lamps discontinued during the quarter	7
Number of lamps burning March 31, 1881	3,567

MANHATTAN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	6,821
Number of new lamps lighted during the quarter	9
Number of old lamps relighted during the quarter	6,830
Less lamps discontinued during the quarter	125
Number of lamps burning March 31, 1881	6,705

METROPOLITAN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	4,306
Number of new lamps lighted during the quarter	1
Number of old lamps relighted during the quarter	4,311
Less lamps discontinued during the quarter	6
Number of lamps burning March 31, 1881	4,305

NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	1,045
Number of new lamps lighted during the quarter	3
Number of old lamps relighted during the quarter	1,048
Less lamps discontinued during the quarter	38
Number of lamps burning March 31, 1881	1,010

HARLEM GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	4,738
Number of new lamps lighted during the quarter	3
Number of old lamps relighted during the quarter	4,742
Less lamps discontinued during the quarter	12
Number of lamps burning March 31, 1881	4,730

CENTRAL GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	1,850
Number of new lamps lighted during the quarter	2
Number of old lamps relighted during the quarter	1,850
Less lamps discontinued during the quarter	2
Number of lamps burning March 31, 1881	1,848

NORTHERN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	1,090
Number of new lamps lighted during the quarter	1,090
Number of old lamps relighted during the quarter	1,090
Less lamps discontinued during the quarter	1,090
Number of lamps burning March 31, 1881	1,090

YONKERS GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1880	88
Number of new lamps lighted during the quarter	88
Number of old lamps relighted during the quarter	88
Less lamps discontinued during the quarter	88
Number of lamps burning March 31, 1881	88

Total number of gas lamps burning March 31, 1881	23,343
Electric lamps burning (displacing 116 gas lamps)	22
Total number of lamps burning March 31, 1881	23,365

RECAPITULATION.

Number of lamps burning December 31, 1880	23,511
Number of new lamps lighted during the quarter	4
Number of old lamps relighted during the quarter	18
Less lamps discontinued during the quarter	22
Total number of gas lamps burning March 31, 1881	23,343
Add electric lamps (displacing 116 gas lamps)	22
Total number of lamps burning March 31, 1881	23,365

EXHIBIT "E."

Statement giving the Illuminating Power of the Gas supplied by the several Gas-light Companies during the Quarter ending March 31, 1881, 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.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
Week Ending—																		
Jan. 8.....	20.26	22.70	21.44	21.53	25.51	24.62	20.31	26.03	23.08	23.79	24.26	24.01	19.68	20.06	19.88	19.47	19.97	19.69
" 15.....	19.72	25.68	23.24	24.03	26.25	25.10	22.73	24.57	23.62	22.64	23.92	23.22	18.79	19.96	19.57	18.56	19.72	18.82
" 22.....	21.39	23.59	22.48	24.82	27.38	25.88	22.88	25.67	24.48	22.59	24.17	23.35	19.19	19.79	19.41	17.51	19.01	18.40
" 29.....	20.58	27.02	23.51	23.55	28.21	26.23	24.58	26.48	25.31	23.70	24.97	24.44	18.60	20.20	19.52	19.30	19.97	19.67
Feb. 5.....	24.18	25.49	24.70	28.28	30.76	29.58	24.18	25.68	25.09	22.71	23.63	23.06	19.21	19.69	19.41	18.56	19.76	18.87
" 12.....	23.43	26.23	25.32	29.00	31.84	30.36	24.37	27.72	25.72	23.68	24.44	24.10	18.84	19.91	19.39	18.90	20.11	19.42
" 19.....	25.83	27.09	26.73	29.92	30.85	30.47	26.67	28.88	27.61	24.02	24.00	24.25	18.63	20.33	19.42	18.74	19.57	19.21
" 26.....	24.11	27.48	26.21	28.56	31.72	30.26	26.42	29.67	27.63	23.51	24.70	23.91	19.02	20.38	19.72	18.10	19.19	18.63
Mar. 5.....	24.28	29.50	26.18	29.39	32.04	30.68	23.92	27.63	26.58	24.12	24.72	24.49	18.44	19.79	19.03	19.28	20.74	19.62
" 12.....	22.54	27.17	25.27	27.76	32.04	30.35	23.98	26.92	25.13	22.44	25.28	23.39	18.64	19.62	19.13	18.41	19.66	18.94
" 19.....	24.23	26.63	25.69	29.96	30.58	30.20	24.47	28.68	26.33	22.34	22.85	22.51	18.83	19.78	19.31	18.65	19.72	19.24
" 26.....	24.18	27.33	25.82	30.12	31.94	31.03	25.87	28.76	27.47	22.51	23.79	23.01	19.51	20.37	19.72	17.90	19.35	18.44
Distance from Gas Works...	2 1/8 Miles.			3 1/8 Miles.			1 7/8 Miles.			3 1/8 Miles.			1 1/8 Miles.			1 7/8 Miles.		

Document "J."

CITY OF NEW YORK, DEPARTMENT OF PUBLIC WORKS,
BUREAU OF REPAIRS AND SUPPLIES,
SUPERINTENDENT'S OFFICE, 31 CHAMBERS STREET, ROOM 15,
NEW YORK, May 11, 1881.

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

SIR—When I entered upon the duties of this office on April 15th ult., I found that my predecessor had not made a report of the transactions of this Bureau for the quarter ending March 31, 1881. Since I assumed control, I have been chiefly engaged in finishing the work left incomplete, and in superintending the removal of property, and preparing suitable quarters and offices for the Fifth Regiment, Battery K, the Sixth Police, and Tenth District Civil Court, all of which has been done to the satisfaction of the parties concerned.

The annexed is a statement of the appropriations and expenditures of the Bureau for the quarter.

Very respectfully,

THOMAS H. McAVOY, Superintendent Repairs and Supplies.

EXHIBIT

Showing the Conditions of the Appropriations credited to the Bureau of Repairs and Supplies upon which Vouchers have been drawn during the First Quarter of 1881.

April 1, 1881.		
Free Floating Baths—		
Amount of appropriations for 1881.....	\$18,000 00	
Amount of vouchers drawn.....	\$966 20	
Amount of liabilities estimated.....	2,277 00	
	3,243 20	
Balance.....	\$14,756 80	
Public Buildings—Construction and Repairs—		
Amount of appropriations for 1881.....	\$46,000 00	
Amount of vouchers drawn.....	\$9,863 71	
Amount of liabilities estimated.....	4,367 97	
	14,231 68	
Balance.....	\$31,768 32	
Supplies for and Cleaning Public Offices—		
Amount of appropriation for 1881.....	\$63,500 00	
Amount of vouchers drawn.....	\$21,866 95	
Amount of liabilities estimated.....	7,960 54	
	29,827 49	
Balance.....	\$33,672 51	
Fitting up Fifth Regiment Armory—Essex Market—		
Amount of appropriation for 1881.....	\$18,000 00	
Fitting up Sixty-ninth Regiment Armory—Tompkins Market—		
Amount of appropriation for 1881.....	\$15,000 00	
Fulton Market—Alterations and Repairs—		
Amount of appropriation for 1881.....	\$80,000 00	
Free Floating Baths—Salaries—		
Amount of appropriation for 1881.....	\$14,000 00	
Amount of pay-rolls.....	680 00	
Balance.....	\$13,320 00	
Public Buildings—Construction and Repairs—Salaries—		
Amount of appropriation for 1881.....	\$1,900 00	
Amount of pay-rolls drawn.....	466 50	
Balance.....	\$1,433 50	
Supplies for and Cleaning Public Offices—Salaries—		
Amount of appropriation for 1881.....	\$30,000 00	
Amount of pay-rolls drawn.....	\$4,124 24	
Amount of pay-rolls due.....	2,078 62	
	6,202 86	
Balance.....	\$23,797 14	
Free Floating Baths—1880—		
Amount of balance January 1, 1881.....	\$687 35	
Amount of vouchers drawn to April 1.....	633 00	
Balance.....	\$54 35	
Public Buildings—Construction and Repairs—1880—		
Amount of balance January 1, 1881.....	\$7,491 04	
Amount of vouchers drawn to April 1.....	7,433 13	
Balance.....	\$57 91	
Supplies for and Cleaning Public Offices—1880—		
Amount of balance January 1, 1881.....	\$4,463 35	
Amount of vouchers drawn to April 1.....	4,405 50	
Balance.....	\$57 85	
County Court-house Building—Completion of—1880—		
Amount of balance January 1, 1881.....	\$11,147 66	
Amount of vouchers drawn to April 1.....	153 03	
Balance.....	\$10,994 63	

Document "K."

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF INCUMBRANCES, ROOM 16, 31 CHAMBERS STREET,
NEW YORK, April 11, 1881.

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

SIR—I herewith submit report of this Bureau for the quarter ending March 31, 1881, months of January, February, and March.

Number of complaints received and notices issued therefor against obstructions and incumbrances on streets and sidewalks, 373.

Number of removals of merchandise, wagons, stands, stones, dirt, etc., to the Corporation Yard or other suitable place, 67.

Expenses of such removals including 714 loads of stones and dirt from various parts of the city, \$541.40.

Total expenses for the quarter \$1,178.63.

Received for seized articles by redemption \$170.50, which amount has been paid over to the City Chamberlain.

No. of builders' permits issued.....	1,324
" special permits issued.....	46
" permits to cut down trees.....	4
" notices issued to repair sidewalks.....	215
" notices issued to repair vault covers.....	43

Respectfully,

JOSEPH BLUMENTHAL, Superintendent of Incumbrances.

Document "L."

BUREAU OF WATER REGISTER,
No. 31 CHAMBERS STREET,
NEW YORK, March 31, 1881.

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 March 31, 1881:

	Principal.	Penalties.	Taps.
January.....	\$25,608 29	\$670 20	\$120 50
February.....	22,687 56	512 70	203 00
March.....	28,230 75	429 60	1,019 50
Total.....	\$76,526 60	\$1,612 50	\$1,343 00
Total.....	\$79,482 10		

Deposited to the credit of Special Meter Stock:

January.....	\$1,722 44
February.....	803 66
March.....	1,567 18
Total.....	\$4,093 28

Special Fund—Repairing Streets and Sidewalks:

January.....	\$372 00
February.....	3,096 00
March.....	2,112 00
Total.....	\$5,580 00

Respectfully submitted,

J. H. CHAMBERS, Water Register.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, 31 CHAMBERS STREET,
NEW YORK, June 9, 1881.

In accordance with section 110, chapter 335, Laws of 1873, the Department of Public Works makes the following report of its transactions for the week ending June 4, 1881:

Public Moneys Received and Deposited in the City Treasury.

For Croton water rents.....	\$49,873 96
For penalties on Croton water rents.....	82 05
For tapping Croton pipes.....	198 50
For sewer permits.....	590 00
For vault permits.....	369 25
For restoring and repaving, "Special Fund".....	724 00
Total.....	\$51,837 76

Report of Photometrical Examinations of Illuminating Gas, for the week ending June 4, 1881, made at the Photometrical Rooms of the Department of Public Works.

DATE.	TIME.	Thermometer.	Barometer.	GAS COMPANY.	BURNER.	Pressure as Delivered to Burner.	Consumption of Gas, Rate per hour.	Consumption of Gas, per hour.	ILLUMINATING POWER.	Observed.	Corrected.
May 31	4 P.M.	82.	29.93	Manhattan	Empire 5 ft.....	.83	5.00	124.2	20.78	21.51	
June 1	4.30 P.M.	81.	29.82	"	"	.84	5.00	126.0	18.98	19.93	
" 2	3.45 P.M.	78.	29.90	"	"	.86	5.00	118.8	19.74	19.54	
" 3	4 P.M.	75.	29.77	"	"	.84	5.00	126.0	19.18	20.14	
" 4	6 P.M.	73.	29.76	"	"	.81	5.00	123.0	18.08	18.53	
									Average.	19.93	
May 31	6 P.M.	86.	29.90	Harlem.....	"	.91	5.00	117.0	21.86	21.31	
June 1	11 A.M.	83.	29.86	"	"	.90	5.00	121.8	19.10	19.38	
" 2	2 P.M.	80.	29.87	"	"	.91	5.00	120.0	20.39	20.39	
" 3	5 P.M.	76.	29.75	"	"	.90	5.00	120.0	19.32	19.32	
" 4	12.30 P.M.	78.	29.76	"	"	.90	5.00	123.6	18.90	19.47	
									Average.	19.97	
May 31	3 P.M.	81.	29.93	New York.....	Bray's Slit Union, 7	.67	5.00	121.8	21.96	22.29	
June 1	5.30 P.M.	81.	29.82	"	"	.71	5.00	120.0	25.68	25.68	
" 2	4 P.M.	78.	29.90	"	"	.70	5.00	120.0	28.03	28.03	
" 3	2.30 P.M.	75.	29.77	"	"	.68	5.00	123.0	23.88	24.48	
" 4	5 P.M.	72.	29.76	"	"	.70	5.00	123.0	24.84	25.46	
									Average.	25.19	
May 31	3.30 P.M.	81.	29.93	N. Y. Mutual..	"	.77	5.00	124.8	24.04	25.04	
June 1	5 P.M.	81.	29.82	"	"	.77	5.00	126.0	26.60	27.93	
" 2	4.20 P.M.	80.	29.90	"	"	.78	5.00	126.0	26.74	28.08	
" 3	3.30 P.M.	75.	29.77	"	"	.74	5.00	121.8	26.12	26.51	
" 4	4.30 P.M.	72.	29.76	"	"	.75	5.00	125.4	25.16	26.29	
									Average.	26.77	
May 31	1.30 P.M.	80.	29.93	Municipal.....	"	.67	5.00	121.8	30.20	30.65	
June 1	6 P.M.	82.	29.82	"	"	.70	5.00	120.0	31.19	31.19	
" 2	4.40 P.M.	80.	29.90	"	"	.69	5.00	126.0	30.48	32.00	
" 3	1 P.M.	74.	29.77	"	"	.68	5.00	126.0	28.60	30.03	
" 4	5.30 P.M.	73.	29.76	"	"	.69	5.00	120.0	29.54	29.54	
									Average.	30.68	
May 31	5.30 P.M.	85.	29.90	Metropolitan....	" No. 6	.69	5.00	121.2	24.46	24.70	
June 1	11.30 A.M.	84.	29.86	"	"	.69	5.00	118.2	26.40	26.00	
" 2	2 P.M.	80.	29.87	"	"	.72	5.00	126.0	23.38	24.55	
" 3	5.30 P.M.	78.	29.75	"	"	.69	5.00	114.0	26.78	25.44	
" 4	12 M.	76.	29.76	"	"	.69	5.00	120.0	24.98	24.98	
									Average.	25.13	

E. G. LOVE, PH. D., Gas Examiner.

Public Lamps.

7 new lamps lighted.
3 old lamps relighted.
4 lamps discontinued.
17 lamp-posts removed.
13 lamp-posts reset.
46 lamp-posts straightened.
2 columns refitted.
13 columns releaded.

Permits Issued.

57 permits to tap Croton pipes.
102 permits to open streets.
27 permits to make sewer connections.
26 permits to repair sewer connections.
2 permits to construct street vaults.
169 permits to place building material on streets.
1 permit to cut down tree.

Obstructions Removed.

Stand, from 116 East Forty-first street.
Wagon, from 171 Delancey street.
Cart, from 81 First avenue.
Furniture, from 3 Jones street.
Coal box, from 504 West Thirty-ninth street.
Boxes, from Reade street and West Broadway.
Furniture, from 1090 First avenue.
Wagon, from Forty-second street, Seventh and Eighth avenues.
Booth, from southwest corner Great Jones street and Bowery.
Granite column, from Spring and West streets.
Two wagons, from 69 Gansevoort street.

Repairs to Pavements.

In Madison avenue, between Eighty-third and Eighty-fourth streets.
In Fifty-third street, between Fifth and Sixth avenues.
In Seventy-seventh street, between Third and Lexington avenues.
In Thirty-fourth street, between Broadway and Seventh avenue.
In Seventeenth street, between Seventh and Eighth avenues.
In Sixth street, between Bowery and Second avenue.
In Essex street, between Stanton and Delancey streets.
In Canal street, between Washington and Greenwich streets.
In Grand street, between Thompson and Varick streets.
In Mott street, between Broome and Canal streets.
In South street, between Coenties slip and Old slip.
In Division street, between Market and Pike streets.
In Montgomery street, between Henry and Madison streets.
In Lexington avenue, between Forty-third and Forty-fourth streets.
In Eighty-third street, between Third and Lexington avenues.
In Park avenue, between Thirty-fourth and Thirty-eighth streets.
In Twenty-ninth street, between Ninth and Tenth avenues.
In First avenue, between Ninth and Tenth streets.
In Thirteenth street, between Ninth and Tenth avenues.
In Sixtieth street, between Fourth and Madison avenues.
In Sixty-first street, between Fifth and Madison avenues.
In Forty-seventh street, between Seventh and Eighth avenues.
In Twentieth street, between Tenth and Eleventh avenues.
In Tenth street, between Avenue C and East river.
In Second avenue, between Houston and First streets.
In Prince street, between Broadway and Crosby street.
In West street, between Battery place and Morris street.
In Albany street, between Greenwich and Washington streets.
In Houston street, between Mercer and Greene streets.
In Peck slip, between Water and South streets.
In Canal street, between Chrystie and Forsyth street.
In Cherry street, between Market and Pike streets.
In Wooster street, in front of No. 80.
On southeast corner of Seventy-eighth street and Lexington avenue.
In Jay street, in front of No. 28.
In Tenth avenue, near Twenty-second street.

Repairing and Cleaning Sewers.

50 receiving-basins and culverts cleaned.
350 lineal feet of sewer cleaned.
391 lineal feet of new sewer built.
9 lineal feet of spur pipe laid.
4 man-holes repaired.
3 new man-hole covers put on.
4 new man-hole heads and covers put on.
997 cubic yards of earth excavated and refilled.
14 square feet of sidewalk relaid.
298 square yards of pavement relaid.
215 cart loads of stone removed.
130 cart loads of dirt removed.

Statement of Laboring Force Employed in the Department of Public Works during the Week ending June 4, 1881.

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Maintenance of Aqueduct and Reservoirs.....	20	264	25	..
In Pipe Yard foot of East Twenty-fourth street....	2	15	..	..
Laying and repairing pipes, etc.....	11	78	..	9
Repairing pavements.....	115	233	..	70
Repairing and cleaning sewers.....	3	28	..	13
Maintenance and construction of Boulevards and Aves.	3	52	26	2
Repairing streets.....	..	18	7	2
Repaving, under chapter 476, Laws of 1875.....	..	..	..	..
Total.....	154	688	58	96
Increase over previous week.....	11	153	19	3
Decrease from previous week.....	..	..	..	..

Appointments.

William F. Knox, Inspector on Waste of Water.

Transfer.

John McAuliffe, from Inspector on Waste of Water to Attendant at Public Bath.

Removed.

Matthew Richardson, Inspector on Sewer Basins.

Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$82,769.84.

FRED. H. HAMLIN, Deputy Commissioner of Public Works.

LAW DEPARTMENT.

The following schedules form a report of the transactions of the office of the Counsel to the Corporation for the week ending May 21, 1881.

The Mayor, Aldermen, and Commonalty of the City of New York are defendants unless otherwise mentioned.

SCHEDULE "A."

SUITS AND SPECIAL PROCEEDINGS INSTITUTED.

SUPREME COURT.

Ellen Moore—Summons only, served.
Mayor, etc., of New York, vs. D. W. C. Ward—To recover dock rent; summons served.
Mayor, etc., of New York, agst. John F. Haviland—To recover dock rent; summons served.
Mayor, etc., vs. Patrick Dunican—To recover dock rent; summons served.

Mayor, etc., agst. The Dry Dock, East Broadway and Battery R. R. Co.—Served summons; to recover \$45,800 license fees, from January 1, 1875.

Mayor, etc., New York, vs. Broadway and Seventh Avenue R. R. Co.—To recover \$45,700 license fees, from January 1, 1875.

Mayor, etc., New York, agst. The Houston Street and Pavonia Ferry R. R. Co.—To recover license fees, \$16,850, from January 1, 1875.

Mayor, etc., New York, agst. The Forty-second Street and Grand Street Ferry R. R. Co.—To recover license fees, \$18,150, from January 1, 1875.

Mayor, etc., vs. Eighth Avenue R. R. Co.—To recover license fees, \$39,200, from January 1, 1875.

Mayor, etc., New York, against the Central Park, North and East River Railroad Company—To recover license fees, \$46,350, from January 1, 1875.

Mayor, etc., New York, against the Sixth Avenue Railroad Company—To recover license fees, \$11,550, from January 1, 1875.

Milton F. Decker—To recover salary as Patrolman, from date of his dismissal from the force, December 30, 1879.

Patrick Downes—To recover salary as Patrolman, from date of his dismissal from the force, May 9, 1876.

Mayor, etc., Third Avenue Railroad Company—To recover license fees, \$45,900, from January 1, 1875.

People, Abigail A. Torrance vs. Artemus S. Cady, Collector of Assessments and Clerk of Arrears—Application for mandamus directing Clerk of Arrears to furnish bill for arrears of taxes for year 1860, and Croton water rent for 1859, on Ward No. 1968, Seventeenth Ward, and cancel same of record.

Kate W. Ambrose vs. Bishop Goodrich et al., Committee, etc., et al.—Summons only, served.

Edward F. Denike—Damages for alleged personal injuries falling on ice, on sidewalk of West Fourteenth street, between Sixth and Seventh avenues, January 27, 1881, \$10,000.

SUPERIOR COURT.

Martha A. Gilbert, executrix of, etc., Colgate Gilbert, deceased—For an award made to unknown owners in consequence of closing of Bloomingdale road, \$8,664.

COURT OF COMMON PLEAS.

Adam Möller—Damages caused by bursting of Croton water-main in Second avenue, at No. 1485, January 31, 1881, \$472.

SCHEDULE "B."

JUDGMENTS ENTERED AND ORDERS OF THE GENERAL AND SPECIAL TERMS.

In re Benjamin A. Willis—Order entered vacating sales.
In re Ignatz Goetz, Boulevard sewers—Order reducing assessment entered.
In re Siegmund J. Seligman—Order reducing assessment entered.
In re Samuel B. Duryea, Sixtieth street sewer—Order entered reducing assessment.
In re Joseph B. Brady, Seventy-fifth street sewer—Order entered reducing assessment.
In re Francisco Bianchi, Tenth avenue regulating, etc.—Order to vacate assessment entered.
In re Shepard F. Knapp, Tenth avenue regulating—Order to vacate assessment entered.
People, William E. Demorest vs. Mayor, etc.—Order of affirmance entered.
Mayor, etc., vs. Broadway and Seventh Avenue Railroad Company—Judgment entered in favor of the city for \$47,188.67.
Mary Ann Hall—Judgment entered in favor of plaintiff for \$494.22.
In re Harriet A. Walter, executrix, Manhattan street outlet sewer—Order to reduce assessment entered.
In re John W. Guntzer, Eleventh avenue sewer—Order to reduce assessment entered.
In re Joseph P. Quin, Eleventh avenue sewer—Order to reduce assessment entered.
In re William H. Richards, Eleventh avenue sewer—Order to reduce assessment entered.
In re Louis S. Levy, Eleventh avenue sewer—Order to reduce assessment entered.
In re George R. Schieffelin, Boulevard sewers—General Term order directing rehearing entered.
In re Zacharia Jaques, Boulevard sewers—General Term order directing rehearing entered.
In re Simon Wormser, One Hundred and Tenth street outlet sewer—General Term order directing rehearing entered.
In re Isaac T. Smith, One Hundred and Tenth street outlet sewer—General Term order directing rehearing entered.
In re Peter J. Mathers, One Hundred and Tenth street outlet sewer—General Term order directing rehearing entered.
In re Jonas G. Clark, Seventy-second street, Eastern Boulevard—Order on remittitur entered.
People, John Nugent vs. Police Commissioners—Order entered dismissing temporary writ of mandamus.
In re Patrick Mooney, Boulevard sewers—Order to reduce assessment entered.
In re John W. Guntzer, Eleventh avenue sewers—Order to reduce assessment entered.
In re Leonard W. Johnson, do do do
In re Conrad Michaels, do do do
In re Reginald Krapp, do do do
In re John Deppeler, do do do
In re Michael Kennedy and another, do do do
In re Eli Benedict, do do do
In re Arthur E. Mills et al., Tenth avenue regulating—Order to vacate assessment entered.
In re Isaac I. Stillings, Tenth avenue regulating—Order to vacate assessment entered.
In re Mary Johnston, Tenth avenue regulating—Order to vacate assessment entered.
In re Lawrence Tenure, trustee, One Hundred and Fifty-fifth street regulating—Order to vacate assessment entered.
Michael M. Van Dyke—Order entered discontinuing action without costs.
People, U. S. Trust Co. vs. Tax Commissioners, etc.—Order entered quashing writs of subpoena.
John Maxwell, (No. 1).
John Maxwell, (No. 2).
Charles Abresch, (No. 1).
Charles Abresch, (No. 2).
Hazard Powder Company.
John J. Lennon.
Patrick Dunn.
John Barry.
John McManus.
John J. Lennon,
And seventy-two other cases.
Order entered to consolidate the suits in one suit, entitled John Maxwell vs. Mayor, etc., all the other parties plaintiff made defendants.
In re Robert T. Brown, Eleventh avenue sewers—Order to reduce assessment entered.
In re Leonard W. Johnson, do do do
In re John Deppeler, do do do
In re Eli Benedict, do do do
In re Samuel B. Duryea, Sixtieth street sewer—Order to reduce assessment entered.
In re Warren Brady, Fifth avenue pavement—Order and judgment of affirmance on remittitur and for \$181.75 costs, etc., entered.
In re Matthew Leavy—Order entered to vacate sales.
In re Townsend Wandell—Order entered to vacate sales.
In re Edward C. Delavan—Order entered to vacate sales.
In re Townsend Wandell—Order entered to vacate sales.
In re Thomas O'Reilly, Seventeenth street outlet sewer—Order on remittitur entered.
In re Genevieve B. Andrews, One Hundred and Tenth street outlet sewer—Order on remittitur entered.
In re Daniel R. Kendall, One Hundred and Tenth street outlet sewer—Order on remittitur entered.
In re James A. Striker, sundry assessments—Order on remittitur entered.

SCHEDULE "C."

SUITS AND SPECIAL PROCEEDINGS TRIED OR ARGUED.

People, James Turner vs. Board of Police—Argued at General Term; decision reserved.
People, Vincent Clark vs. Board of Police—Argued at General Term; decision reserved.
People, Jos. H. McCarthy vs. Board of Police—Argued at General Term; decision reserved.
Abram Van Dolsen—Taking of proofs proceeded.
Samuel B. Duryea—Tried before Van Hoesen, J., and jury; complaint dismissed.
Shepherd's Fold—Tried before Van Brunt, J., and jury; verdict directed for plaintiff for \$5,000.
Edmund R. Morris—Tried before Van Hoesen, J., and jury.

WILLIAM C. WHITNEY, Counsel to the Corporation.

DEPARTMENT OF PUBLIC CHARITIES AND
CORRECTION.

DAILY MEETINGS, MAY 31 TO JUNE 4, 1881.

Communications Received.

From Penitentiary—
List of prisoners received during week ending May 28, 1881: Males, 34; females, 4.
On file.
List of 45 prisoners to be discharged from June 5 to 11, 1881. Transmitted to Prison Association.
From Lunatic Asylum, Blackwell's Island—History of 8 patients received during week ending May 28, 1881. On file.
From N. Y. City Asylum for Insane, Ward's Island—History of 18 patients received during week ending May 28, 1881. On file.
From City Prison—Amount of fines received during week ending May 28, 1881, \$204.
On file.

Proposals.

Resolved, That the proposals of David Brown for the cut stone and setting required for the east wing to Insane Asylum, Ward's Island, for \$20,500;
Francis Cook, for iron work for east wing to Insane Asylum, Ward's Island, for \$9,999;
Patrick K. Horgan, for building Quarantine Pavilion on Randall's Island, for \$16,000;
Moran & Brown, for slating and tinning Quarantine Pavilion, Randall's Island, for \$1,783;
George H. Kitchen & Co., for steam-heating for west wing to Insane Asylum, Ward's Island; for \$7,375;
R. M. Masterton, for 25,000 pounds sugar, at 7 47-100 cents per pound;
Robert Betty, 1,000 yards calico at 4 75-100 cents per yard; 1,000 yards ticking, at 11 62-100 cents per yard; 1,000 yards toweling at 16 99-100 cents per yard; 500 yards table linen, at 45 cents per yard; 50 pounds shoe thread, at 57 50-100 cents per pound;
—be accepted, and the contracts awarded to them, their sureties having been approved by the Comptroller.
Adopted.

Appointments.

May 31. Kate Plum, Nurse, Charity Hospital.
31. Annie Gonoude, Nurse, Penitentiary Hospital.
June. 1. Joseph Gunther, Attendant, N. Y. City Asylum for Insane.
3. Joseph Falvey, Attendant, N. Y. City Asylum, for Insane.
3. Joseph Kerr, Attendant, N. Y. City Asylum for Insane.
4. Susan Barden, Attendant, Lunatic Asylum.

Dismissals.

May 31. James Kelly, Nurse, Homoeopathic Hospital.
31. Patrick Dunn, Nurse, Homoeopathic Hospital.
31. Charles King, Orderly, Bellevue Hospital.
31. John I. Pembroke, Orderly, Bellevue Hospital.
June 1. Daniel Mahoney, Attendant, N. Y. City Asylum for Insane.
G. F. BRITTON, Secretary.

APPROVED PAPERS.

Resolved, That permission be and the same is hereby given to Theodore A. Spear, druggist, to erect a post and box for putting up a thermometer in front of his drug store, No. 255 West One Hundred and Twenty-fifth street, said post to be placed on the line of the curb, the work done at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 24, 1881.
Approved by the Mayor, June 7, 1881.

Resolved, That permission be and the same is hereby given to Mr. Maned to keep a stand for the sale of fruit on the sidewalk in Fourteenth street, in front of the building of the German Savings Bank; such stand not to exceed three feet in width by six feet in length; the permission hereby given to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 24, 1881.
Approved by the Mayor, June 7, 1881.

Resolved, That permission be and the same is hereby given to Patrick McKenna, to place and keep a watering-trough in front of No. 356 Eighth avenue, corner Twenty-eighth street, the work done and water supplied at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 24, 1881.
Approved by the Mayor, June 7, 1881.

Resolved, That the Commissioner of Public Works be and he is hereby requested to cause the carriageway of Thirty-ninth street, between Broadway and Sixth avenue, to be repaired and put in good order, fit for public travel.

Adopted by the Board of Aldermen, May 24, 1881.
Approved by the Mayor, June 7, 1881.

Resolved, That permission be and the same is hereby given to Daniel Hennessy to place and keep bay-windows on the building about to be erected by him on the northeast corner of Madison avenue and Sixty-seventh street, such windows not to project outwardly more than 3 feet 6 inches, and to be on the basement, first, and second stories, as shown on the annexed diagram, the work done at his own expense, under the direction of the Commissioners of the Fire Department; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 24, 1881.
Approved by the Mayor, June 7, 1881.

Resolved, That permission be and the same is hereby given to D. Beers to erect a rolling canvas awning in front of No. 145 Eighth avenue, the work done at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 17, 1881.
Received from his Honor the Mayor, May 24, 1881, with his objections thereto.
In Board of Aldermen, June 7, 1881, taken up and considered, as provided in section 13, chapter 335, Laws of 1873, and adopted, notwithstanding the objections of his Honor the Mayor, two-thirds of all the members elected voting in favor thereof.

Resolved, That permission be and the same is hereby given to Valentine Eickhorn to erect barber-pole at No. 13 Clinton street, the work done at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 17, 1881.
Received from his Honor the Mayor, May 24, 1881, with his objections thereto.
In Board of Aldermen, June 7, 1881, taken up and considered, as provided in section 13, chapter 335, Laws of 1873, and adopted, notwithstanding the objections of his Honor the Mayor, two-thirds of all the members elected voting in favor thereof.

METEOROLOGICAL OBSERVATORY

OF THE

DEPARTMENT OF PUBLIC PARKS,
CENTRAL PARK, NEW YORK.

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

ABSTRACT OF REGISTERS FROM SELF-RECORDING INSTRUMENTS

For the Week Ending June 4, 1881.

Barometer.

DATE.	MAY AND JUNE.	7 A. M.		2 P. M.		9 P. M.		Mean for the Day.	MAXIMUM.		MINIMUM.	
		Observed Height.	Reduced to Freezing.	Observed Height.	Reduced to Freezing.	Observed Height.	Reduced to Freezing.		Observed Height.	Reduced to Freezing.	Observed Height.	Reduced to Freezing.
Sunday,	29	29.958	29.868	29.970	29.832	29.932	29.805	29.835	29.988	29.901	29.928	29.795
Monday,	30	29.922	29.813	29.930	29.776	29.906	29.768	29.786	29.934	29.820	29.866	29.709
Tuesday,	31	29.922	29.800	29.924	29.778	29.852	29.741	29.773	29.932	29.799	29.848	29.737
Wednesday,	1	29.812	29.703	29.822	29.697	29.800	29.694	29.698	29.848	29.737	29.770	29.643
Thursday,	2	29.782	29.700	29.842	29.731	29.868	29.781	29.737	29.870	29.788	29.744	29.656
Friday,	3	29.772	29.698	29.684	29.609	29.660	29.598	29.635	29.844	29.762	29.626	29.564
Saturday,	4	29.664	29.604	29.706	29.610	29.750	29.659	29.624	29.772	29.687	29.654	29.592

Mean for the week..... 29.727 inches.
Maximum " at 1 A. M., May 29..... 29.901 "
Minimum " at 7 P. M., June 3..... 29.564 "
Range "357 "

Thermometers.

DATE.	MAY AND JUNE.	7 A. M.		2 P. M.		9 P. M.		MEAN.	MAXIMUM.		MINIMUM.		MAXIMUM.
		Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.		Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	
Sunday,	29	62	58	80	70	76	69	72.7	83	4 P. M.	72	4 P. M.	61
Monday,	30	69	65	86	72	80	71	78.3	87	4 P. M.	73	4 P. M.	67
Tuesday,	31	74	67	83	73	70	66	75.6	83	2 P. M.	73	2 P. M.	70
Wednesday,	1	69	64	75	66	68	64	70.6	76	4 P. M.	67	4 P. M.	62
Thursday,	2	59	56	70	63	61	57	63.3	71	3 P. M.	63	3 P. M.	59
Friday,	3	56	55	57	55	52	52	55.0	59	0 A. M.	56	0 A. M.	52
Saturday,	4	51	50	65	58	63	60	59.6	71	6 P. M.	62	6 P. M.	49

Mean for the week..... 67.8 degrees.
Maximum for the week, at 4 P. M., 30th... 87. " at 4 P. M., 30th... 73. "
Minimum " " at 4 A. M., 4th... 49. " at 4 A. M., 4th... 49. "
Range " " 38. " 24. "

Wind.

DATE.	MAY AND JUNE.	DIRECTION.			VELOCITY IN MILES.				FORCE IN POUNDS PER SQUARE FOOT.			
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Distance for the Day.	7 A. M.	2 P. M.	9 P. M.	Max.
Sunday,	29	S	S	SSW	43	23	37	103	0	1	1/4	1 1/4
Monday,	30	WSW	SW	W	97	73	69	239	1 1/4	1 1/4	0	4 3/4
Tuesday,	31	NNW	E	NW	41	26	41	108	0	1/4	0	3
Wednesday,	1	NNE	E	NE	27	27	27	81	1/4	1/4	0	3/4
Thursday,	2	NNE	SSE	SE	66	60	60	186	0	1 1/4	0	3 1/4
Friday,	3	ENE	ENE	NNE	84	120	73	277	4 3/4	6	0	10
Saturday,	4	NNE	NW	SE	54	30	17	101	0	1/8	0	1

Distance traveled during the week..... 1,095 miles.
Maximum force " " 10 pounds.

DATE.	MAY AND JUNE.	Hygrometer.			Clouds.			Rain and Snow.			
		FORCE OF VAPOR.			CLEAR, O. OVERCAST, 10.			DEPTH OF RAIN AND SNOW IN INCHES			
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Time of Beginning.	Time of Ending.	Duration.	Amount of Water.
Sunday,	29	.429	.598	.614	77	58	68	5 Cir. Cu.	0	0	.....
Monday,	30	.564	.596	.637	79	48	62	1 Cir.	1 Cir. Cu.	0	.....
Tuesday,	31	.568	.677	.586	68	60	80	0	1 Cir.	0	.....
Wednesday,	1	.539	.519	.543	74	60	79	8 Cu.	8 Cu.	10	8.30 A. M. 6.30 P. M. 1.30 .16 ..
Thursday,	2	.409	.482	.412	82	66	77	7 Cu.	9 Cu. S.	6 Cu.	8.10 P. M. 12 P. M. 2.50 .11 ..
Friday,	3	.420	.407	.388	93	87	100	9 Cu.	9 Cu.	10	0 A. M. 1 A. M. 1.00 .01 ..
Saturday,	4	.348	.389	.478	93	63	83	8 Cu.	2 Cu. S.	3 Cir. Cu.	4.30 P. M. 12 P. M. 7.30 .35 ..

Total amount of water for the week..... .68 inch.

DANIEL DRAPER, PH. D., Director.

EXECUTIVE DEPARTMENT.

Appointments by the Mayor.

June 13.—John B. Purroy and Louis Schlamp, Jr., City Marshals for the Twenty-third and Twenty-fourth Wards, for the term of three years from May 25, 1881.

OFFICIAL DIRECTORY

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

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 10 A. M. to 3 P. M.
WILLIAM R. GRACE, Mayor; JOHN TRACEY, Chief Clerk; WILLIAM M. IVINS, Secretary.

Mayor's Marshal's Office.

No. 1 City Hall, 10 A. M. to 3 P. M.
CHARLES REILLY, First Marshal.

Permit Bureau Office.

No. 13½ City Hall, 10 A. M. to 3 P. M.
HENRY WOLTMAN, Registrar.

Sealers and Inspectors of Weights and Measures.

No. 7 City Hall, 10 A. M. to 3 P. M.
WILLIAM EYERS, Sealer First District; THOMAS BRADY, Sealer Second District; JOHN MURRAY, Inspector First District; JOSEPH SHANNON, Inspector Second District.

COMMISSIONER OF ACCOUNTS.

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

LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.

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

City Library.

No. 12 City Hall, 10 A. M. to 4 P. M.
LUKE C. GRIMES, Librarian.

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

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

Bureau of Water Register.

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

Bureau of Incumbrances.

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

Bureau of Lamps and Gas.

No. 31 Chambers street, 9 A. M. to 4 P. M.
STEPHEN MCCORMICK, Superintendent.

Bureau of Streets.

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

Bureau of Sewers.

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

Bureau of Chief Engineer.

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

Bureau of Street Improvements.

No. 31 Chambers street, 9 A. M. to 4 P. M.
GEORGE A. JEREMIAH, Superintendent.

Bureau of Repairs and Supplies.

No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS H. McAVOY, Superintendent.

Bureau of Water Purveyor.

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

Keeper of Buildings in City Hall Park.

JOHN F. SLOPER, City Hall.

FINANCE DEPARTMENT.

Comptroller's Office.

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

Auditing Bureau.

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

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

No. 5 New County Court-house, 9 A. M. to 4 P. M.
ARTEMAS CADDY, Collector of Assessments and Clerk of Arrears.

Bureau for the Collection of City Revenues and of Markets.

No. 6 New County Court-house, 9 A. M. to 4 P. M.
THOMAS F. DeVoe, Collector of City Revenue and Superintendent of Markets.

Bureau for the Collection of Taxes.

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

Bureau of the City Chamberlain.

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

Office of the City Paymaster.

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

LAW DEPARTMENT

Office of the Counsel to the Corporation.

Staats Zeitung Building, third floor, 9 A. M. to 5 P. M.
Saturday, 9 A. M. to 4 P. M.

WILLIAM C. WHITNEY, Counsel to the Corporation.
ANDREW T. CAMPBELL, Chief Clerk.

Office of the Public Administrator.

No. 49 Beekman street, 9 A. M. to 4 P. M.
ALGERNON S. SULLIVAN, Public Administrator.

Office of the Corporation Attorney.

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

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.
STEPHEN B. FRENCH, President; SETH C. HAWLEY, Chief Clerk.

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.

Headquarters.

Nos. 155 and 157 Mercer street.
VINCENT C. KING, President; CARL JUSSE, Secretary.

Bureau of Chief of Department.

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

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

GEORGE H. SHELDON, Fire Marshal.
Bureau of Inspection of Buildings.

WM. P. ESTERBROOK, Inspector of Buildings.
Office hours, Headquarters and Bureaus, from 9 A. M. to 4 P. M. (Saturdays to 3 P. M.).

Attorney to Department.

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

Fire Alarm Telegraph.

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

Repair Shops.

Nos. 128 and 130 West Third street.
JOHN McCABE, Captain-in-Charge, 8 A. M. to 5 P. M.

Hospital Stables.

No. 199 Christie street.
DEDERICK G. GALE, Superintendent of Horses.

HEALTH DEPARTMENT.

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

DEPARTMENT OF PUBLIC PARKS.

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

Civil and Topographical Office.

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

Fortham 9 A. M. to 5 P. M.

DEPARTMENT OF DOCKS.

Nos. 11 and 119 Duane street, 9 A. M. to 4 P. M.
EUGENE T. LYNCH, Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.

Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.
THOMAS B. ASTEN, President; ALBERT STORER, Secretary.

BOARD OF ASSESSORS.

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

BOARD OF EXCISE.

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

SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house 9 A. M. to 4 P. M.
PETER BOWE, Sheriff; JOEL O. STEVENS, Under Sheriff.

REGISTER'S OFFICE.

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

COMMISSIONER OF JURORS.

No. 17 New County Court-house, 9 A. M. to 4 P. M.
THOMAS DUNLAP, Commissioner; ALFRED J. KEEGAN, Deputy Commissioner.

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 Academy of Music, corner of Fourteenth street and Irving place, on Thursday, June 23, at 7 o'clock P. M.

LAWRENCE D. KIERNAN, Secretary.

BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the Boards of School Trustees of the several Wards, at the Hall of the Board of Education, corner of Grand and Elm streets, for repairs, etc., to be done on the school buildings in the several Wards, as follows:

By the Trustees of the Fourth Ward until 9:30 A. M., on Monday, June 27, 1881, for Repairs and Painting at Grammar School-house No. 1, and at Primary School-house No. 14.

JOHN B. SHEA, Secretary, Chairman.
Board of School Trustees, Fourth Ward.

By the Trustees of the Sixth Ward until 10 A. M., on said day, for Alterations, etc., at Primary School-house No. 8.

PETER KRAEGER, Secretary, Chairman.
Board of School Trustees, Sixth Ward.

By the Trustees of the Seventh Ward until 10:30 A. M., on said day, for Alterations, etc., at Grammar School-house No. 2.

GEORGE G. HALLOCK, Secretary, Chairman.
Board of School Trustees, Seventh Ward.

By the Trustees of the Eighth Ward until 11 A. M., on said day, for Repairing and Painting at Grammar School-house No. 8.

CHARLES W. BAUM, Chairman.
JOHN G. BOYD, Secretary.
Board of School Trustees, Eighth Ward.

By the Trustees of the Ninth Ward, until 3 P. M., on said day, for Repairing and Painting Grammar School-house No. 3, also for Alterations, etc., at Grammar School-house No. 41, and at Primary School-house No. 13.

CHARLES S. WRIGHT, Chairman.
ELLERY DENISON, M. D., Secretary.
Board of School Trustees, Ninth Ward.

By the Trustees of the Tenth Ward, until 3:30 P. M., on said day, for Sliding Doors, etc., at Grammar School-house No. 20.

HENRY R. ROOME, Chairman.
JOHN C. CLEGG, Secretary.
Board of School Trustees, Tenth Ward.

By the Trustees of the Eleventh Ward, until 4 P. M., on said day, for New Furniture and Alterations of Furniture at Grammar School No. 15.

JOHN C. LIMBECK, Chairman.
SAMUEL CREGAR, M. D., Secretary.
Board of School Trustees, Eleventh Ward.

By the Trustees of the Twelfth Ward until 4:30 P. M., on said day, for Sliding Doors, etc., at Grammar School-house No. 68. Also for Flagging, etc., at Grammar School-house No. 54. Also for New Boilers and additions to Heating Apparatus for Grammar School-house No. 54.

CHARLES CRARY, Chairman.
GERMAIN HAUSCHER, Secretary.
Board of School Trustees, Twelfth Ward.

By the Trustees of the Thirteenth Ward until 9:30 A. M., on Tuesday, June 28, 1881, for Sliding Doors, etc., at Grammar School-house No. 4. Also for Furniture for the New Primary School-house No. 40.

GEORGE W. RELYEA, Chairman.
FREDERICK HOLSTEN, Secretary.
Board of School Trustees, Thirteenth Ward.

By the Trustees of the Fourteenth Ward until 10 A. M., on the day last named, for Repairing and Painting at Grammar School-house No. 51.

HENRY MAURON, Chairman.
FRANKLIN SMITH, M. D., Secretary.
Board of School Trustees, Fourteenth Ward.

By the Trustees of the Fifteenth Ward, until 10:30 A. M. on the day last named, for Alterations at Grammar School-houses Nos. 35 and 47.

JOSEPH BRITTON, Chairman.
G. H. WYNKOOP, Secretary.
Board of School Trustees, Fifteenth Ward.

By the Trustees of the Sixteenth Ward, until 11 A. M. on the day last named, for Alterations at Grammar School-houses Nos. 11 and 59. Also, for New Furniture and Repairs of Furniture at Grammar School No. 55.

ALFRED C. HOE, Chairman.
JAMES HARRISON, Secretary.
Board of School Trustees, Sixteenth Ward.

By the Trustees of the Seventeenth Ward, until 3 P. M. on the day last named, for Alterations at Grammar School-house No. 19. Also, for New Steam-heating Apparatus for said house.

ROBERT A. BARRY, M. D., Chairman.
FREDERICK C. WAGNER, Secretary.
Board of School Trustees, Seventeenth Ward.

By the Trustees of the Nineteenth Ward, until 3:30 P. M. on the day last named, for New Furniture, and Alterations and Repairs of Furniture, at Grammar School-houses Nos. 27 and 59.

RICHARD KELLY, Chairman.
CHARLES L. HOLT, Secretary.
Board of School Trustees, Nineteenth Ward.

By the Trustees of the Twenty-second Ward, until 4 P. M. on the day last named, for New Furniture, and Alterations and Repairs of Furniture, for Grammar School No. 17. Also, for Alterations and Additions to the Steam-heating Apparatus of said school. Also, for Painting at Grammar School-house No. 51.

JAMES R. CUMING, Chairman.
ALNA H. UNDERHILL, Secretary.
Board of School Trustees, Twenty-second Ward.

By the Trustees of the Twenty-third Ward, until 4:30 P. M., for Alterations at Grammar School No. 62. Also, for New Steam-heating Apparatus, and also for New Furniture, and Alterations and Repairs of Furniture, for Grammar School No. 60.

WILLIAM HOGG, Chairman.
GEORGE A. J. NORMAN, Secretary.
Board of School Trustees, Twenty-third Ward.

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

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

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

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

Plans and specifications may be seen, and blanks for proposals and all necessary information may be obtained at the office of the Superintendent of School Buildings, and of the Engineer, No. 146 Grand, corner of Elm street.

Dated NEW YORK, June 13, 1881.

SEALED PROPOSALS WILL BE RECEIVED BY

the School Trustees of the Fifth Ward, at the Hall of the Board of Education, corner of Grand and Elm streets, until 9:30 o'clock A. M. on Wednesday, June 15, 1881, for Alterations at Grammar School-house No. 44, on North Moore, corner of Varick street.

Plans and specifications may be seen, and blanks for proposals, and all necessary information may be obtained at the office of the Superintendent of School Buildings, No. 146 Grand, corner of Elm street.

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

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

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

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

JOHN C. HUSER, JOHN HAM, JOHN GLEASON, P. J. STUYVESANT.

Dated New York, June 1, 1881.

DEPARTMENT OF PUBLIC PARKS.

DEPARTMENT OF PUBLIC PARKS, 36 UNION SQUARE, NEW YORK, June 4, 1881.

TO CONTRACTORS.

PROPOSALS FOR ESTIMATES FOR BUILDING FOUR IRON BRIDGES OVER THE BRONX RIVER, BETWEEN THE CITY OF NEW YORK AND THE COUNTY OF WESTCHESTER.

SEALED ESTIMATES FOR THE ABOVE WORK, indorsed "Estimates for Building Iron Bridges over the Bronx River," also with the name of the person or persons making the same, and the date of presentation, will be received at the office of the Department of Public Parks, No. 36 Union square, New York City, until half past nine o'clock A. M., on Wednesday, the 22d day of June, 1881, at which place and hour the bids will be publicly opened by the Board of Commissioners of the said Department, and a Committee of the Board of Supervisors of the County of Westchester, and read, and the award of the contract or contracts will be made as soon thereafter as practicable. The adequacy and sufficiency of the security offered is subject to the approval of the Comptroller of the City of New York.

The person or persons to whom the contract or contracts may be awarded will be required to attend at the office of the said Department, with the sureties offered by him or them, and execute the contract within five days after written notice that the same has been awarded to his or their bid or estimate, and that the sureties offered by him or them have been approved by the Comptroller; and in case of failure or neglect so to do, he or they will be considered as having abandoned it, and as in default to the Corporation, and thereupon the work will be advertised and relet, and so on until the contract be accepted and executed. The work is to commence within ten days after the signing of the contract.

N. B.—The prices must be written in the bid, and also stated in figures, and all estimates will be considered as informal which do not contain bids for all items called for in these proposals, or which contain bids for items not called for herein. Permission will not be given for the withdrawal of any bid or estimate, and the right is expressly reserved to reject any or all bids which may be deemed prejudicial to the public interests. No bid will

be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

Bidders are required to state in their estimates, under oath, their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, they shall distinctly state the fact; also, that such bid or estimate is made without any connection with any other person making a bid or estimate for the same purpose; and that it is in all respects fair and without collusion or fraud; and also that no member of the Common Council, head of a Department, Chief of a Bureau, Deputy thereof, or Clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof.

The estimate must be verified by the oath, in writing, of the party making such estimate, that the several matters therein stated are in all respects true. When more than one person is interested in the estimate, the verification must be made by all the parties interested.

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

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

IRON WORK.
Williams Bridge, 75,000 lbs.
Fordham avenue, Boston road, Samuel street (each) 66,000 lbs.

TIMBER.
Williams Bridge, 4,000 B. M. sidewalk, 8,500 B. M. roadway, 190 lineal feet cornice.
Fordham avenue, Boston road, Samuel street (each) 8,500 B. M. roadway.

RAILING.
Williams Bridge, 180 lineal feet sidewalk railing, including 4 end newels and 16 intermediate newels, 180 lineal feet gas-pipe railing along trusses.
Fordham avenue, Boston road, Samuel street (each) 180 lineal feet gas-pipe railing.

MASONRY.
Williams Bridge, 145 square feet 2 inch flagging, 219 cubic feet granite coping, 340 cubic yards masonry, 70 cubic yards concrete, 250 cubic yards foundation trenching.
Fordham avenue, Boston road, Samuel street, (all together) 174 square feet 2 inch flagging, 522 cubic feet granite coping, 840 cubic yards masonry, 180 cubic yards concrete, 750 cubic yards foundation trenching.

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

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

2. Bidders will be required to complete the entire work to the satisfaction of the Commissioners of the Department of Public Parks, and in substantial manner, in accordance with the specifications hereunto annexed and the plan therein referred to. No extra compensation beyond the amount payable for the work before enumerated, which shall be actually performed, at the price therefor to be specified by the lowest bidder, shall be due or payable for the entire work.

Bidders will state a price for each class of the work, as above designated, which price is to include the furnishing of all the necessary materials and labor, and the performance of the whole of the work mentioned in the specifications annexed, and shown on the plans for the work.

The bridges are to be located at the following places:

1. One at Williams Bridge.
2. One at Boston road.
3. One at Samuel street.
4. One at Fordham and Pelham avenues.

Estimates may be made for one or more of the bridges. The amount of security required is as follows:

For Bridge No. 1, above, the sum of four thousand dollars.

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, June 8, 1881.

TO CONTRACTORS.

BIDS OR ESTIMATES INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, will be received at this office until Monday, June 20, 1881, at 12 o'clock M., at which hour they will be publicly opened by the head of the Department and read, for

FURNISHING MATERIALS AND PERFORMING WORK IN THE ERECTION OF PORTIONS OF FULTON MARKET.

No estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of deposit will be returned to him.

Blank forms of bids or estimates, the proper envelopes in which to inclose the same, the specifications and agreements, the plans and any further information desired can be obtained at the office of Douglas Smyth, Architect, Room 31, No. 137 Broadway.

The Commissioner of Public Works reserves the right to reject any or all proposals if in his judgment the same may be for the best interests of the city.

HUBERT O. THOMPSON,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM NO. 31 CHAMBERS STREET,
NEW YORK, June 7, 1881.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until Monday, June 20, 1881, at 12 o'clock M., at which hour they will be publicly opened by the head of the Department and read, for the following:

- No. 1. SEWERS in Riverside avenue, between Seventy-sixth and Ninety-second streets, and outlet through Riverside Park and Ninety-first street to Hudson river.
- No. 2. SEWER in Riverside avenue, between Ninety-second and One Hundred and Sixth streets.
- No. 3. SEWER in Tenth avenue, between Forty-ninth and Fiftieth streets.
- No. 4. SEWER in Second avenue, west side, between Ninety-fifth and Ninety-sixth streets, with branch in Ninety-sixth street, between Second and Third avenues.
- No. 5. SEWERS in Seventy-second street, between Hudson river and Eleventh avenue, with branch in Riverside avenue, between Seventy-second and Seventy-sixth streets.
- No. 6. SEWERS in One Hundred and Twelfth street, between Madison and Sixth avenues.
- No. 7. SEWER in One Hundred and Thirteenth street, between Seventh and Eighth avenues.
- No. 8. SEWER in One Hundred and Eighteenth street, between Sixth and Seventh avenues.
- No. 9. SEWER in One Hundred and Nineteenth street, between Sixth and Seventh avenues.
- No. 10. SEWER in Lexington avenue, between Eighty-first and Eighty-second streets.

No estimate will be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Blank forms of bid or estimate, the specifications and agreements, and the proper envelopes in which to inclose the bids, and any further information desired, can be obtained at the office of the Engineer in charge of Sewers, Room 9, No. 31 Chambers Street.

The Commissioner of Public Works reserves the right to reject any or all proposals, if in his judgment, the same may be for the best interests of the city.

HUBERT O. THOMPSON,
Commissioner of Public Works.

TO WATER PIPE MANUFACTURERS.

BIDS OR ESTIMATES INCLOSED IN A SEALED envelope, with the title of the work as in the advertisement, and the name of the bidder indorsed thereon, will be received at this office until Monday, June 20, 1881, at 12 o'clock M., at which hour they will be publicly opened by the head of the department and read, for the following:

Furnishing and delivering Four Hundred and Twenty-five Tons Twelve-inch Pipe, Six Hundred and Ten Tons Six-inch Pipe, and One Hundred and Fifty Tons Branches and Special Castings.

No estimate will be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Blank forms of bids or estimates, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired can be obtained on application at the office of the Chief Engineer, Room 10.

The Commissioner of Public Works reserves the right to reject any or all proposals, if in his judgment the same may be for the best interests of the city.

HUBERT O. THOMPSON,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF WATER REGISTER,
31 CHAMBERS STREET, ROOM 2,
NEW YORK, May, 1881.

CROTON WATER RATES.

NOTICE IS HEREBY GIVEN THAT THE ANNUAL water rates for 1881 are now due and payable at this office.

Permits for the use of Croton water for washing sidewalks, stoops, areas, etc., etc., must be renewed immediately.

HUBERT O. THOMPSON,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, May 24, 1881.

NOTICE OF SALE AT PUBLIC AUCTION ON

Tuesday, June 14, 1881, at 11 o'clock A. M.
The Department of Public Works will sell at public auction, on the premises in the town of Carmel, Putnam County, by Lewis Hill, auctioneer:
The superstructure, woodwork, and machinery of Red Mills, situate at the junction of the outlets of Lakes Kirk and Mahopac, in the town of Carmel, Putnam County.

TERMS OF SALE.

Cash payments in bankable funds at the time and place of sale and the removal of the superstructure, etc., within thirty days thereafter.

HUBERT O. THOMPSON,
Commissioner of Public Works.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

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

TO CONTRACTORS.

PROPOSALS FOR GROCERIES, HARDWARE, OILS, ETC.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES.

- 6,000 pounds Dairy Butter, sample on exhibition June 23, 1881.
- 20,000 Fresh Eggs, all to be candled.
- 5,000 pounds Rice.
- 500 barrels good, sound Irish Potatoes, weighing 168 pounds net to the barrel.
- 100 barrels Crackers.
- 5,000 pounds Coffee Sugar.
- 2,500 " Dried Apples.
- 12 dozen canned String Beans (3 pounds).
- 24 " " Tomatoes (3 pounds).
- 600 pounds Macaroni.
- 300 bags Coarse Meal.
- 300 " Fine Meal.
- 20 bales Hurl Broom Corn, all straight.

DRY GOODS.

- 250 Blue Flannel Lined Blouses.

HARDWARE.

- 20 kegs rod. Nails.
- 2 dozen Closet Locks.
- 2 " Drawer Locks.
- 3 " Claw Hammers.

OILS, ETC.

- 3 barrels best Boiled Linseed Oil.
- 5 " Spirits Turpentine.
- 250 pounds Chrome Green, in 15, 35, 55, and 105, in oil.
- 500 " Red Lead, in 505, dry.

—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9.30 o'clock A.M., of Thursday, the 23d day of June, 1881. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Hardware, Oils, etc.," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the head of said Department and read.

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

The award of the contract will be made as soon as practicable after the opening of the bids.
Delivery will be required to be made from time to time, at such times and in such quantities as may be directed by the said Department; but the entire quantity will be required to be delivered on or before thirty (30) days after the date of the contract.

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

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

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

to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

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

Payment will be made by a requisition on the Comptroller, issued on the completion of the contract, or from time to time as the Commissioners may determine.

Bidders are informed that no deviation from the specifications will be allowed, unless under the written instruction of the Commissioners of Public Charities and Correction.

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

The form of the agreement, including specifications, and showing the manner of payment, can be obtained at the office of the Department.

Dated New York, June 11, 1881.
JACOB HESS,
TOWNSEND COX,
THOMAS S. BRENNAN,
Commissioners of the Department of Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
NO. 66 THIRD AVENUE,
NEW YORK, May 27, 1881.

NOTICE IS HEREBY GIVEN THAT THREE (3) colts (2 two years and 1 yearling) will be sold to the highest bidder, for cash, at Nos. 110 and 112 East Thirtieth street, on Friday, June 10, 1881, at 12 o'clock M., by Van Tassel & Kearney, auctioneers.

JACOB HESS,
TOWNSEND COX,
THOMAS S. BRENNAN,
Commissioners.

The above sale is hereby postponed until Friday, June 17, 1881, at 12 o'clock M.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
NO. 66 THIRD AVENUE,
NEW YORK, June 3, 1881.

IN ACCORDANCE WITH AN ORDINANCE OF the Common Council, "In relation to the burial of strangers or unknown persons who may die in any of the public institutions of the City of New York," the Commissioners of Public Charities and Correction report as follows:

At Morgue, Bellevue Hospital, from foot of Eighteenth street, North river—Unknown man; age about 40 years; 5 feet 7 inches high; dark brown hair, red moustache. Had on black overcoat, dark brown pants, dark plaid vest, striped calico shirt, blue flannel shirt, white knit undershirt and drawers, gaiters.

At Charity Hospital, Blackwell's Island—William Johnson, colored; age 26 years; 5 feet 3 inches high; black hair and eyes. Had on when admitted, blue coat, vest, and pants, colored shirt. Nothing known of his friends or relatives.

At Homeopathic Hospital, Ward's Island—Annie Sheehy; age 40 years; 5 feet high; brown eyes and hair. Had on when admitted, dark striped dress, black shawl, cloth gaiters.

John Schneider; age 65 years; 5 feet 8 inches high; gray hair; blue eyes. Had on when admitted, black coat, striped pants, gaiters. Nothing known of his friends or relatives.

At N. Y. City Asylum for Insane, Ward's Island—Thomas McCarthy; age 40 years; 5 feet high; gray eyes; brown hair. Nothing known of his friends or relatives.

William H. Gross; age 41 years; 5 feet 3½ inches high; black hair, dark brown eyes. Nothing known of his friends or relatives.

Charles Westgate; age 49 years; 5 feet 2½ inches high; gray hair; brown eyes. Nothing known of his friends or relatives.

Anton Mack; age 46 years; 5 feet 7 inches high; brown hair; blue eyes. Nothing known of his friends or relatives. At Hart's Island Hospital—John Renaud; age 50 years. Had on when admitted, black coat, gray pants, flannel undershirt, shoes, black cap. Nothing known of his friends or relatives.

Rose Reilly; age 61 years; 5 feet 5 inches high; brown eyes and hair. Nothing known of her friends or relatives. James Brady; age 67 years; 5 feet 4 inches high; gray hair and eyes. Had on when admitted, dark coat, pants, and vest. Nothing known of his friends or relatives.

By order,
G. F. BRITTON,
Secretary.

FIRE DEPARTMENT.

HEADQUARTERS
FIRE DEPARTMENT CITY OF NEW YORK,
155 AND 157 MERCER STREET,
NEW YORK, June 11, 1881.

SEALED PROPOSALS WILL BE RECEIVED AT these Headquarters until 10 o'clock A.M. on Wednesday, the 22d instant, when they will be publicly opened and read, for the purchase of the horse-manure of this Department for the year beginning July 1, 1881. The manure is to be removed from the various houses of the Department by the Contractor within three days after the receipt of notice from any of the officers of the Department, and in all cases where the manure-pits are located in the rear of the houses, the carts will be permitted to back into the houses for the purpose of loading.

A list of the houses and locations will be furnished on application at this office.

The contractor will be required to pay for the manure when the award is made.

CORNELIUS VAN COTT,
VINCENT C. KING,
JOHN J. GORMAN,
Commissioners.

HEADQUARTERS
FIRE DEPARTMENT CITY OF NEW YORK,
155 AND 157 MERCER STREET,
NEW YORK, May 26, 1881.

SEALED PROPOSALS FOR DOING THE WORK and furnishing the materials required in the erection of a house for each of the following named companies of this Department, to wit: Engine Co. No. 37, on the north side of Lawrence street, west of Tenth avenue; Hook and Ladder Co. No. 16, on the west side of Tenth avenue, between Ninety-seventh and Ninety-eighth streets; and Hook and Ladder Co. No. 18, on the north side of One Hundred and Sixty-sixth street, between Washington and Third avenues.

—will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 155 and 157 Mercer street, in the City of New York, until 10 o'clock A. M., Wednesday, June 15, 1881, at which time and place they will be publicly opened by the head of said Department and read.

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

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

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

Separate estimates must be made and presented in separate envelopes for each house.

Two responsible sureties will be required with each estimate, who must each justify, prior to its presentation, in a sum not less than one-half the amount of the estimate.

For information as to the amount and kind of work to be done, bidders are referred to the specifications and drawings, which form part of these proposals.

The damages to be paid by the contractor for each day that the contract may be unfulfilled after the time specified for the completion thereof shall have expired, are, by a clause in the contract, fixed and liquidated at twenty-five dollars per day.

Should the person or persons to whom the contract is awarded neglect or refuse to accept the contract for forty-eight (48) hours after written notice that the same has been awarded to his or their bid or estimate, or, if, after acceptance, he or they should refuse or neglect to execute the contract and give proper security within five days after notice that the contract is ready for execution, he or they will be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet, and so on until it be accepted and executed.

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

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

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

No estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

The form of the agreement, including drawings and specifications, and showing the manner of payment for the work, may be seen at the office of the Department.

CORNELIUS VAN COTT,
VINCENT C. KING,
JOHN J. GORMAN,
Commissioners.

HEADQUARTERS
FIRE DEPARTMENT CITY OF NEW YORK,
155 AND 157 MERCER STREET,
NEW YORK, November 7, 1878.

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 the Board.
VINCENT C. KING, President
JOHN J. GORMAN, Treasurer,
CORNELIUS VAN COTT,
Commissioners

CARL JUSSER,
Secretary

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE,
NEW YORK, June 7, 1881.

NOTICE TO AUCTIONEERS.

ALL PERSONS DOING BUSINESS AS AUCTIONEERS in the City of New York will take notice that all licenses now in force will expire on June 15, 1881. All sales at auction in the City of New York are forbidden by law unless held under license issued by the Mayor.

W. R. GRACE,
Mayor.

ASSESSMENT COMMISSION.

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

As to all assessments confirmed subsequent to June 9, 1880, for local improvements theretofore completed, and as to any assessment for local improvements known as Morningside avenues, notices must be filed within two months after the dates upon which such assessments may be respectively confirmed.

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

Dated, No. 27 CHAMBERS STREET, May 18, 1881.

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

JAMES J. MARTIN, Clerk.

POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,
PROPERTY CLERK'S OFFICE,
No. 300 MULBERRY STREET, (Room No. 39),
New York, June 4, 1881.

OWNERS WANTED BY THE PROPERTY CLERK OF THE POLICE DEPARTMENT OF THE CITY OF NEW YORK, 300 MULBERRY STREET, Room No. 39, for the following property now in his custody without claimants: Boats, trunks and contents, male and female clothing, watches, jewelry, boots, shoes, hats, carpet, coffee, blankets, revolvers, bag and contents, stockings, etc.; also small amount of money found and taken from prisoners by Patrolmen of this Department.

C. A. ST. JOHN,
Property Clerk.

LEGISLATIVE DEPARTMENT.

THE COMMITTEE ON PUBLIC WORKS OF the Board of Aldermen will meet every Monday at two o'clock P. M., at Room No. 8 City Hall.

BERNARD KENNEY,
JOSEPH P. STRACK,
HENRY C. PERLEY,
THOMAS SHELLS,
JAMES L. WELLS,
Committee on Public Works.

FINANCE DEPARTMENT.

WILLIAM KENNELLY, AUCTIONEER.

SALE OF FERRY FRANCHISE.

THE FRANCHISE TO RUN A FERRY TO AND FROM the pier at or near the foot of Pine street, East river, to and from Hunter's Point, Long Island, established by a resolution of the Common Council, approved June 8, 1880, will be sold at public auction to the highest bidder, at the office of the Comptroller of the City of New York, on Wednesday, June 8, 1881, at 12 o'clock, noon, for the term of five years, from May 1, 1881.

The highest bidder will be required to pay to the Comptroller at the time of the sale, in addition to the fee of the auctioneer, twenty-five per cent. of the estimated amount of the yearly rent or compensation to be paid for the franchise of said ferry, as security for the execution of a lease therefor, to be applied to the rent; but if the highest bidder shall refuse or neglect to execute the lease prepared according to the prescribed form, after due notice, the amount so paid shall be forfeited, and the ferry franchise be resold.

The form of lease required to be executed may be seen at the Comptroller's office.

Two sureties, to be approved by the Comptroller, will be required for the faithful performance of the covenants of the lease.

By order of the Commissioners of the Sinking Fund,
ALLAN CAMPBELL,
Comptroller.

CITY OF NEW YORK,
COMPTROLLER'S OFFICE,
May 26, 1881.

The sale of the above Ferry Franchise is postponed until Wednesday, June 15, 1881, at the same hour and place.

ALLAN CAMPBELL,
Comptroller.

CITY OF NEW YORK,
COMPTROLLER'S OFFICE,
June 8, 1881.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, May 28, 1881.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 4 OF CHAPTER 33 of the Laws of 1881, the Comptroller of the City of New York hereby gives public notice to property-owners that the following lists of assessments for local improvements in said city were confirmed by the "Board of Revision and Correction of Assessments" on the 24th day of May, 1881, and on the same date, were entered in the Record of Titles of Assessments kept in the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," viz.:

Boulevard sewers, between 59th and 61st streets.
Boulevard sewers, between 61st and 77th streets.
Boulevard sewers, between 77th and 93d streets.
Boulevard sewers, between 93d and 106th streets.
Boulevard sewers, between 106th and 123d streets.
Madison avenue sewer, between 110th and 113th streets.
Avenue A sewer, between 10th and 11th streets.

Section 5 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said record of titles of assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive legal interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," from 9 A. M. until 2 P. M., and all payments made thereon, on or before July 27, 1881, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the record of titles of assessments in said Bureau.

ALLAN CAMPBELL,
Comptroller.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
May 21, 1881.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 4 OF CHAPTER 33 of the Laws of 1881, the Comptroller of the City of New York hereby gives public notice to property-owners that the assessment list for the opening of One Hundred and Eighth street, from Fifth avenue to Harlem river was confirmed by the Supreme Court on the 12th day of May, 1881, and entered on the 19th day of May, 1881, in the Record of Titles of Assessments kept in the Bureau for

the Collection of Assessments and of Arrears of Taxes and Assessments and of Water Rents.

Section 5 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said record of titles of assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive legal interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," from 9 A. M. until 2 P. M., and all payments made thereon, on or before July 19, 1881, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles and Assessments in said Bureau.

ALLAN CAMPBELL,
Comptroller.

WILLIAM KENNELLY, AUCTIONEER.

SALE OF THE RIGHT, TITLE, AND INTEREST OF THE CITY OF NEW YORK IN AND TO CERTAIN LANDS IN THE TWELFTH WARD.

ALL THE RIGHT, TITLE, AND INTEREST OF the Mayor, Aldermen, and Commonalty of the City of New York, in and to certain parcels of lands in the Twelfth Ward of said city, will be sold at public auction, to the highest bidder, at the office of the Comptroller on Wednesday, June 15, 1881, at 11 o'clock A. M., as follows, to wit:

First—The lands formerly the bed of a creek running through all those twenty-eight lots of land situated in the City of New York, bounded and described as follows:

Commencing at a point on the southerly side of One Hundred and Second street, distant three hundred and ten feet easterly from the southeasterly corner of the Third avenue and One Hundred and Second street, and running thence easterly along said southerly side of One Hundred and Second street three hundred feet to the southeasterly corner of said One Hundred and Second street and the Second avenue; thence southerly along the westerly side of said Second avenue one hundred feet and eleven inches to the centre line of the block; thence westerly along said centre line of the block parallel with said One Hundred and Second street one hundred feet; thence southerly at right angles to said centre line of the block one hundred feet and eleven inches to the northerly side of One Hundred and First street; thence westerly, along said northerly side of One Hundred and First street, four hundred feet, thence northerly, at right angles to said northerly side of One Hundred and First street, one hundred feet and eleven inches to the centre line of the block; thence easterly, along said centre line of the block two hundred feet; and thence northerly, at right angles to said centre line of the block one hundred feet and eleven inches to the southerly side of One Hundred and Second street at the place of beginning.

Second—The lands in the bed of Sherman's Creek, running through the block bounded by Post avenue on the northerly side, Academy street on the easterly side, Neagle avenue on the southerly side, and Dyckman street on the westerly side, situated in the Twelfth Ward of the City of New York.

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

Beginning at a point on the southerly side of Ninety-seventh street, distant one hundred feet easterly from the corner formed by the intersection of the southerly side of Ninety-seventh street with the easterly side of Third avenue; running thence southerly and parallel with Third avenue one hundred feet and eleven inches to the southerly side of Ninety-seventh street; thence westerly and along said southerly side of Ninety-seventh street two hundred and sixty feet to the point or place of beginning.

Also all that certain plot, piece, or parcel of land situate in said Twelfth Ward of said City of New York, and bounded and described as follows: Beginning at a point on the southerly side of Ninety-seventh street, distant one hundred feet westerly from the corner formed by the intersection of the southerly side of Ninety-seventh street with the westerly side of Second avenue, running thence southerly and parallel with Second avenue one hundred feet and eleven inches to the centre line of the block between Ninety-sixth and Ninety-seventh streets; thence westerly along said centre line of the block one hundred feet and eleven inches to the southerly side of Ninety-seventh street; thence easterly and along said southerly side of Ninety-seventh street fifty feet to the point or place of beginning.

TERMS OF SALE.

The amount bid, and the auctioneer's fee, to be paid at the time of sale, and the expense attending the execution of the deeds also to be paid by the purchaser.

ALLAN CAMPBELL,
Comptroller.

CITY OF NEW YORK,
COMPTROLLER'S OFFICE,
May 9, 1881.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
May 4th, 1881.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 4 OF CHAPTER 33 of the Laws of 1881, the Comptroller of the City of New York hereby gives public notice to property-owners that the following lists of assessments for local improvements in said city were confirmed by the "Board of Revision and Correction of Assessments" on the 28th day of April, 1881, and on the same date, were entered in the Record of Titles of Assessments kept in the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," viz.:

Avenue B sewer, between 75th and 82d streets.
2d avenue sewer, between 75th and 76th streets.
Lexington avenue sewer, between 103d and 104th streets.
11th avenue sewer, west side, between 59th and 60th streets.
12th avenue sewer, between 131st and 133d streets.
Laight street sewer, between Washington and West streets.
Macdougall street sewer, between West 4th street and West Washington place.
Jackson street sewer, between Grand and Madison streets.
68th street sewer, between 4th and Madison avenues, etc.
73d street sewer, between 1st and 2d avenues.
73d street sewer, between 8th and 10th avenues.
103d street sewer, between 3d and Lexington avenues.
104th street sewer, between 9th and 10th avenues.
104th street sewer, from 650 feet east of 10th avenue to 75 feet west of 9th avenue.
113th street sewer, between 10th avenue and summit east of 10th avenue.
113th street sewer, between Madison and 5th avenues, etc.
122d street sewer, between 6th avenue and summit west of Sixth avenue.
122d street sewer, between 7th avenue and summit east of 7th avenue.
127th street sewer, between 7th and 8th avenues.
129th street sewer, between 7th and 8th avenues.
130th street sewer, between 6th avenue and Summit west of 6th avenue.
5th avenue basin, west side, between 60th and 61st streets.
11th street basin, southwest corner Dry Dock street.

60th street basin, northeast corner 5th avenue.

93d street regulating, grading, etc., from 2d avenue to East river.

152d street regulating, grading, etc., from Boulevard to Hudson river.

Broadway regulating, grading, etc., from Manhattan street to 133d street.

58th street paving, from 6th to 10th avenue.

4th avenue paving, at intersection of 83d, 84th, 85th and 86th streets.

104th street paving, between 2d and 3d avenues.

13th avenue paving, between West 11th and West 16th streets.

79th street fencing vacant lots, south side, between 4th and Lexington avenues.

80th and 81st streets fencing vacant lots, between Madison and 5th avenues.

Madison avenue fencing vacant lots, southeast and southwest corners 127th street.

Section 5 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said record of titles of assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive legal interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," from 9 A. M. until 2 P. M., and all payments made thereon, on or before July 5, 1881, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date of entry in the record of titles of assessments in said Bureau.

ALLAN CAMPBELL,
Comptroller.

DEPARTMENT OF FINANCE,
BUREAU FOR COLLECTION OF ASSESSMENTS, AND OF ARREARS OF TAXES AND ASSESSMENTS, AND OF WATER RENTS, NEW COUNTY COURT-HOUSE, CITY HALL PARK, NEW YORK, April 25, 1881.

NOTICE TO PROPERTY-HOLDERS.

PROPERTY-HOLDERS ARE HEREBY NOTIFIED that the following assessment list was received by the Collector of Assessments and Clerk of Arrears, April 25, 1881, for collection:

CONFIRMED APRIL 14, 1881, AND ENTERED APRIL 25, 1881.

80th street opening, from 8th avenue to New road, and from 12th avenue to the Hudson river.

All payments made on the above assessment on or before June 24, 1881, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

The above assessments are payable at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," from 9 A. M. until 2 P. M.

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

NOTICE TO TAXPAYERS.

RELATING TO THE PAYMENT OF UNPAID TAXES, ASSESSMENTS, AND CROTON WATER RENTS.

THE COMPTROLLER OF THE CITY OF NEW YORK hereby gives notice to owners of real and personal estate in this city, that all unpaid taxes, assessments, and Croton water rents may now be paid with interest thereon at the rate of seven per cent. per annum, as provided by chapter 33 of the Laws of 1881, which is as follows:

CHAPTER 33.

AN ACT relative to the collection of taxes and assessments, and of arrears of taxes and assessments, and Croton water rents, in the City of New York.

(Passed March 16, 1881; three-fifths being present.)

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. If any taxes of any year shall remain unpaid on the first day of November, after the assessment-rolls and the warrants to collect such taxes have been delivered to the Receiver of Taxes in the City of New York, it shall be the duty of said Receiver to give public notice, by advertisement for at least ten days in two of the daily newspapers, and in the CITY RECORD, printed and published in said city, respectively, that unless the same shall be paid to him at his office on or before the first day of December, in any such year, he will immediately thereafter proceed to collect such unpaid taxes, as provided in the following section of this act:

Section 2. If any such tax shall remain unpaid on the said first day of December, it shall be the duty of the said Receiver of Taxes in said city to charge, receive, and collect upon such tax so remaining unpaid on that day, in addition to the amount of such tax, one per centum on the amount thereof; and to charge, receive, and collect upon such tax so remaining unpaid on the first day of January thereafter, interest upon the amount thereof at the rate of seven per centum per annum, to be calculated from the day on which said assessment-rolls and warrants shall have been delivered to the said Receiver of Taxes to the date of payment.

The same rate of interest shall be so charged and collected upon any tax levied in the year eighteen hundred and eighty, remaining unpaid at the date of the passage of this act.

Section 3. All existing provisions of law which impose a charge and require the collection of interest at the rate of twelve per centum per annum upon arrears of taxes on real and personal estate within the City of New York, upon arrears of assessments for local improvements and street openings in said city, and upon arrears of Croton water rents in said city, are hereby repealed; and in lieu of such charge of interest at the rate of twelve per centum per annum, there shall be charged and collected by the officer authorized to collect and receive any such arrears of taxes and assessments and Croton water rents, interest upon the amount thereof at the rate of seven per centum per annum, to be calculated for the same period as interest at the rate of twelve per centum per annum is now required by law to be calculated thereon. This provision shall apply to taxes, assessments, or Croton water rents remaining unpaid and due, for the non-payment of which the lands and tenements liable therefor shall be hereafter sold at public auction as now provided by law; provided, however, that nothing in this act shall be construed to affect the rights of purchasers at sales for taxes, assessments, or Croton water rents, heretofore made, or to authorize the redemption of lands and tenements from sales heretofore made for any lesser sums than the sums collectible for such redemption under the provisions of existing laws.

Section 4. It shall be the duty of the Comptroller of the City of New York to give public notice, by advertisement, for at least ten days, in the CITY RECORD, printed and published in said city, immediately after the confirmation of any assessment for a local improvement or street opening in said city, that the same has been confirmed specifying the title of such assessment and the date of its confirmation by the Board of Revision and Correction of Assessments in proceedings for local improvements, and by the Supreme Court in proceedings for street openings, and also the date of entry in the record of titles of assessments kept in the Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Croton water rents, notifying all persons, owners of property affected by any such assessment, that, unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of any such assessment, interest shall thereafter be collected thereon as provided in the following section of this act, and all provisions of law or ordinance requiring any other or different notice of assessments and interest thereon are hereby repealed.

Section 5. If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said record of titles of assessments, it shall be the

duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive legal interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment.

Section 6. This act shall take effect immediately.
ALLAN CAMPBELL,
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,
COMPTROLLER'S OFFICE, March 18, 1881.

DEPARTMENT OF FINANCE,
BUREAU FOR COLLECTION OF ASSESSMENTS, AND OF ARREARS OF TAXES AND ASSESSMENTS, AND OF WATER RENTS, NEW COUNTY COURT-HOUSE, CITY HALL PARK, NEW YORK, February 1, 1881.

NOTICE TO PROPERTY-HOLDERS.

PROPERTY-HOLDERS ARE HEREBY NOTIFIED that the following assessment list was received by the Collector of Assessments and Clerk of Arrears, January 29, 1881, for collection:

CONFIRMED JANUARY 25, 1881, AND ENTERED JANUARY 29, 1881, NAMELY:

153d street, opening, from the easterly line of the New Avenue lying between 8th and 9th avenues, to the Harlem river.

All payments made on the above assessment on or before March 30, 1881, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

The above assessments are payable at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," from 9 A. M. until 2 P. M.

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

ORDER OF THE COMPTROLLER OF THE CITY OF NEW YORK, CONSOLIDATING CERTAIN BUREAUX IN THE FINANCE DEPARTMENT.

SECTION 3 OF CHAPTER 521 OF THE LAWS of 1880, requires that heads of departments shall reduce the aggregate expenses of their respective departments by a reduction of salaries, and confers upon them authority to consolidate bureaux and offices for that purpose, as follows, to wit:

"In making the reduction herein required, every head of department may abolish and consolidate offices and 'bureaux,' and discharge subordinates in the same 'department.'"

The Comptroller of the City of New York, in pursuance of the duty imposed and the authority thus conferred upon him, hereby orders and directs that the following Bureau in the Finance Department shall be consolidated, the consolidation thereof to take effect on the first day of January, 1881, viz.:

First—"The Bureau or the Collection of Assessments, and 'The Bureau for the Collection of Arrears of Taxes and Assessments and of Water Rents,' shall be consolidated as one bureau, and on and after January 1, 1881, shall be known as 'The Bureau for the Collection of Assessments and of Arrears of Taxes and Assessments, and of Water Rents,' and possess all the power conferred and perform all the duties imposed by law and ordinance upon both of said bureaux, and the officers thereof, the chief officer of which consolidated bureau shall be called 'Collector of Assessments and Clerk of Arrears.'"

Second—"The Bureau for the Collection of the Revenue accruing from rents, and interest on bonds and mortgages, revenue arising from the use or sale of property belonging to or managed by the city," and "the Bureau on Markets," shall be consolidated as one Bureau, and on and after January 1, 1881, shall be known as "the Bureau for the Collection of City Revenue and of Markets," and possess all the powers conferred and perform all the duties imposed by law and ordinance upon both said bureaux, and the officers thereof; the chief officer of which said consolidated Bureau shall be called 'Collector of City Revenue and Superintendent of Markets.'"

CITY OF NEW YORK, FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, Dec. 31, 1880.
ALLAN CAMPBELL,
Comptroller.

FINANCE DEPARTMENT—COMPTROLLER'S OFFICE,
New York, January 22, 1880.

NOTICE TO OWNERS OF REAL ESTATE IN THE TWENTY-THIRD AND TWENTY-FOURTH WARDS OF THE CITY OF NEW YORK.

THE COMPTROLLER OF THE CITY OF NEW YORK hereby gives notice to owners of real estate in the Twenty-third and Twenty-fourth Wards, that pursuant to an act of the Legislature of the State of New York, entitled "An act to provide for the adjustment and payment of unpaid taxes due the county of Westchester by the towns of West Farms, Morrisania, and Kingsbridge, lately annexed to the city and county of New York," passed May 22, 1878, the unpaid taxes of said town have been adjusted and the amount determined as provided in said act, and that the accounts, including sales for taxes levied prior to the year 1874, by the Treasurer of the County of Westchester, and bid in on account of said towns, and also the unpaid taxes of the year 1873, known as Rejected Taxes, have been filed for collection in the Bureau of Arrears in the Finance Department of the City of New York.

Payments for the redemption of lands so sold for taxes by the Treasurer of the County of Westchester, and bid in on account of said towns, and payments also of said Rejected Taxes of the year 1873, must be made hereafter to the Clerk of Arrears of the City of New York.

N. B.—Interest at the rate of twelve per cent. per annum is due and payable on the amount of said sales for taxes and said rejected taxes.

ALLAN CAMPBELL,
Comptroller.

REAL ESTATE RECORDS.

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

Grants, grantees, suits in equity, insolvents' and Sheriffs' sales, in 61 volumes, full bound, price, \$100 00
The same, in 25 volumes, half bound, " " " " 50 00
Complete sets, folded, ready for binding, " " " " 15 00
Records of judgments, 25 volumes, bound, " " " " 15 00
Orders should be addressed to "Mr. Stephen Angell, Comptroller's Office, New County Court-house."

ALLAN CAMPBELL,
Comptroller.

THE CITY RECORD.

OFFICE OF THE CITY RECORD,
No. 2 CITY HALL.

PUBLIC NOTICE.

UNTIL FURTHER NOTICE THE BUSINESS OF THE CITY RECORD office will be transacted at Room No. 4, City Hall, northeast corner.

THOMAS COSTIGAN
Supervisor