

THE CITY RECORD.

OFFICIAL JOURNAL.

VOL. XVI.

NEW YORK, SATURDAY, MAY 19, 1888.

NUMBER 4,565.



DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending March 31, 1888.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, April 14, 1888.

Hon. ABRAM S. HEWITT, Mayor :

SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to submit herewith my report of the transactions of the Department of Public Works for the quarter ending March 31, 1888.

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation.....	\$552,117 49
On account of Local Improvement Fund.....	155,179 44
On account of Funded Debt, for improvement and extension of water supply.....	19,207 57
On account of Special Fund, for restoring pavements over street openings.....	2,308 25
On account of Revenue Bonds, for furnishing and setting water-meters.....	1,580 83
Total.....	\$707,065 40

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

13 sewer contracts, estimated cost.....	\$34,579 95
3 regulating and grading contracts, estimated cost.....	8,576 64
6 paving contracts, estimated cost.....	69,540 95
1 contract for laying water-main, estimated cost.....	20,435 00
3 miscellaneous contracts, estimated cost.....	24,207 00
14 contracts, under \$1,000 each, estimated cost.....	7,294 07
40 contracts, total estimated cost.....	\$164,633 61

Contracts Completed during the Quarter.

4 sewer contracts, cost.....	\$23,873 12
4 regulating and grading contracts, cost.....	40,512 38
6 paving contracts, cost.....	79,817 30
4 miscellaneous contracts, cost.....	48,718 53
6 contracts, under \$1,000 each, cost.....	1,820 04
24 contracts, total cost.....	\$194,741 37

BUREAU OF THE CHIEF ENGINEER OF THE CROTON AQUEDUCT.

The rain-fall in the Croton river and Bronx river water-sheds for the past three months has been abundant, as shown by the following record from the several stations where rain-gauges are kept by the Department :

LOCATIONS.	JANUARY. INCHES.	FEBRUARY. INCHES.	MARCH. INCHES.	TOTAL. INCHES.
Boyd's Corners Reservoir.....	5.56	5.07	6.44	17.07
South East Reservoir.....	5.24	5.15	6.69	17.08
Croton Dam.....	4.85	4.69	4.62	14.16
Kensico Reservoir.....	5.68	4.71	4.51	14.90
Central Park Reservoir.....	4.89	3.72	4.69	13.30

The storage reservoirs, lakes and ponds tributary to the City's water supply in the Croton water-shed are all filled to high-water mark, and for the first time since the introduction of the Bronx river supply in 1884, the storage reservoirs on that system are also filled.

Under the existing circumstances, the difference between the supply from the Croton water-shed, and that from the Bronx river water-shed is, that the present Croton Aqueduct has not sufficient capacity to convey all water which may be received from the Croton water-shed, while the conduit from the Bronx river is of sufficient capacity to carry not only the water from that river, but also from the Byram river, when made available for the City's water supply. Consequently, in times of abundant rain-fall, the flow of the Croton river and its confluent is so much in excess of the capacity of the Croton Aqueduct that the storage reservoirs, lakes and ponds, if previously depleted, fill up rapidly, and immense quantities of water run over the Croton dam into the Hudson river. In the case of the Bronx river supply, on the other hand, the Department has been enabled, through the abundant capacity of the Bronx river conduit, to take advantage of plentiful rain-falls by carrying through the conduit a larger supply than the normal or average supply, for which the water-shed can be relied upon. Thus, the total supply received from the Bronx river during the past three months is 1,435,000,000 gallons, an average of 15,770,000 per day, while the normal or average capacity under the varying conditions of rain-fall is about 12,000,000 gallons per day.

The severe snow-storms of the past winter season made necessary a large amount of extra work in the care and maintenance of the Aqueduct, in clearing off snow and ice from certain portions of the line, and keeping drains, gutters and culverts open. The leak at the Sing Sing arch, on the

Second Division, has been more than usually troublesome during the winter on account of the contraction and expansion of the masonry of the bridge and aqueduct, caused by the sudden changes in temperature. On the Third, Fifth, Sixth and Seventh Divisions some additional retaining-walls were built, for which the stone was quarried on the aqueduct ground.

All work in laying water-pipes was suspended during the entire quarter in consequence of the severity of the weather.

Year after year this Department has found occasion to complain of the immense and wanton waste of water which prevails during freezing weather, when nearly every consumer indulges in the practice of letting the water run from faucets day and night to prevent freezing in the service-pipes. In consequence of the exceptional severity of the past winter season, this waste has been much larger than usual, and the excess of consumption of water over the supply received from the Aqueduct and the Bronx river conduit has been so great that the depth of water in the city reservoirs has been reduced eight feet seven inches, producing a corresponding decrease in the pressure of water in the distributing mains throughout the city. Through this excess of consumption over the supply, the Forty-second Street Reservoir, which is mainly used for the purpose of giving additional and sufficient pressure to deliver water in the high elevations of the city, which are not supplied from the high-service pumping station, has been completely emptied three times during the season, and the people in this district have, therefore, suffered much inconvenience and discomfort from the diminished supply and pressure of water.

The application of water-meters, which is the principal means for controlling the consumption and repressing the waste of water, has been extended by the placing of 350 additional meters, making a total of 16,902 water-meters in use at the close of the quarter.

BUREAU OF WATER PURVEYOR.

The unusual severity of the weather and temperature during the entire quarter precluded the possibility of doing any work on street pavements except temporary repairs of dangerous places which required immediate attention. An average force of 61 pavers, rammers and laborers, and 6 carts was employed in that work.

For the same reasons the very extensive operations in progress in the public streets by private corporations in the laying of electrical subways, gas-mains, etc., were suspended at the beginning of the winter season, although persistent and strenuous efforts were made to induce the Department to permit the continuance of these works through the winter. No permits were issued except for necessary repairs of underground structures. The wear and tear upon the pavements from the frequent and violent storms, and the alternate expansion and contraction of the soil, caused by the sudden changes in temperature, have been greater than for many past winter seasons, and necessitate a proportionately larger amount of work for repairs. Fortunately, the Board of Estimate and Apportionment in making the Final Estimate for 1888, accepted, at least in part, the views expressed in the departmental estimate, that the appropriations for repavements and repairs of pavements should be considerably increased. The amount appropriated for repaving streets is \$482,000, as against \$287,000 appropriated for 1887, and \$400,000 for repairs of pavements, as against \$238,000 for 1887. Preparations have been made to begin the work of repavement and repairs on a proportionately extensive scale as early as the weather and condition of the ground will permit.

OFFICE OF ENGINEER IN CHARGE OF SEWERS.

The work on the construction of new sewers has been confined almost exclusively to excavating and filling in sewer trenches, as there were comparatively few days when the weather was sufficiently temperate to admit of the prosecution of masonry work. Six sewer contracts were completed, and at the close of the quarter, work was in progress on 28 contracts. All preparations have been made to begin work in the course of the present month on 21 other contracts, which were suspended during the winter on account of the inclemency of the weather.

The contracts for the extensive repairs of sewers in First avenue, between Ninety-fifth and One Hundredth streets, and Ninth avenue, between Ninety-second and Ninety-sixth streets, have been finished.

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

- 123 lineal feet of sewer rebuilt.
- 941 lineal feet of sewer repaired.
- 72 lineal feet of culvert rebuilt.
- 1 receiving-basin rebuilt.
- 36 receiving-basins repaired.
- 35 manholes repaired.
- 191 square yards of pavement relaid.
- 355 cubic yards of earth excavated and refilled.
- 587 receiving-basins and culverts cleaned.
- 23,166 lineal feet of sewer cleaned.
- 2,194 cart-loads of sewer deposits removed.

BUREAU OF STREET IMPROVEMENTS.

Among the regulating and grading works completed during the quarter are :
Forty-third street, between First avenue and Prospect place.
Ninety-first street, between Tenth avenue and Riverside Drive.
One Hundred and Nineteenth street, between Eighth and Ninth avenues.
Gansevoort street, between Washington and Thirteenth streets, including pavement of carriage-way.

At the close of the quarter, work was in progress on 17 contracts.

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

- 32,405 cubic yards rock excavated.
- 1,385 cubic yards earth excavated.
- 48,053 cubic yards filling placed in embankments.
- 1,937 lineal feet curb-stone set.
- 1,012 lineal feet curb-stone reset.
- 15,530 square feet flagging laid.
- 7,550 square feet flagging relaid.
- 450 lineal feet drain-pipe laid.
- 650 cubic yards retaining-wall built.
- 160 square yards pavement laid.
- 3,415 square yards pavement relaid.
- 117 shade trees planted.

BUREAU OF STREETS AND ROADS.

The frequent and severe storms of the past winter did considerable damage to the macadam roadways, and caused a considerable amount of extra labor in the care and repairs of the roads. The work is summarized as follows :

- 2,220 square yards of roadway resurfaced.
- 19,784 square yards of gutters cleaned.
- 1,548 lineal feet of drains opened.

373 sewer basins cleaned.
487 shade-trees trimmed.
709 truck-loads of dirt and stone removed in repairing roadways.
579 truck-loads of deposits removed from sewer basins.
On the unpaved streets repairs were made in 10 separate streets.

BUREAU OF LAMPS AND GAS.

During the quarter 54 additional electric-lights were placed on the streets of the city, displacing 302 gas-lamps. Fourteen additional gas-lamps were erected and lighted, and 25 gas-lamps and seven electric-lights, which had been temporarily discontinued, were relighted, making the total number of public lamps in use on the streets, roads, parks, public places, docks and bridges of the city at the close of the quarter, as follows: 24,430 gas-lamps, 889 electric-lights, 120 naphtha-lamps.

BUREAU OF REPAIRS AND SUPPLIES.

For a number of years past the appropriations for repairs of public buildings and for supplies to and care of public officers have not been adequate to meet the demands and requisitions made upon the Department, and the result has been that year after year requisitions for repairs and supplies have had to be laid over until the new appropriations for the ensuing year would become available, causing an accumulation of such demands at the beginning of each year.

The report of the Superintendent of Repairs and Supplies, Document "K," hereto annexed, gives, with much detail, the work done and supplies furnished in the various public buildings and offices.

The defective sanitary condition of the City Hall building has been a subject of complaint for a long time. The necessity for improvements recently became so imperative that in the Final Estimate for 1888 the sum of \$17,000 was specially set apart for the work, and, under this appropriation, plans for improving the drainage, plumbing and ventilation of the building were prepared by an expert sanitary engineer, and an order for the work was issued on the 6th of March. The improvements are now in progress, including a deep drain connecting with the sewer in Frankfort street, and will be completed in the course of the present month.

The 11 free public baths now owned by the City are being put in thorough repair for the ensuing bathing season, and a contract is about to be made for two additional baths authorized to be constructed under acts of the Legislature passed in 1887.

BUREAU OF INCUMBRANCES.

The work of the Bureau for the quarter is summarized as follows:

- 1,112 complaints of obstructions received and attended to.
- 470 seizures and removals of obstructions made.
- 1,719 permits issued to place building materials on streets.
- 5 permits issued to cut down shade-trees.
- 222 miscellaneous permits issued.

- 120 notices issued to repair defective sidewalks.
- 20 notices issued to repair defective vault covers.

BUREAU OF WATER REGISTER.

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

For water rents.....	\$335,057 30
For penalties on water rents.....	3,985 65
For permits to tap water-pipes.....	763 50
Total.....	\$339,806 45

MISCELLANEOUS REVENUE.

The Department has also collected and paid into the City Treasury:

For sewer permits.....	\$3,369 42
For vault permits.....	9,902 53
For redemption of street obstructions.....	753 90
For use of sprinkling-wagon and road-roller.....	36 00
For property sold at auction.....	242 27
For restoration of pavements over street openings.....	5,406 00
For furnishing and setting water-meters.....	2,217 41
Total.....	\$21,927 26

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

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

Very respectfully,

JOHN NEWTON, Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations and Transfers of 1887; Requisitions from January 1 to December 31, 1887; Requisitions on Liabilities of 1887, during First Quarter of 1888; Balances of 1887 on April 1, 1888; Appropriations for 1888; Requisitions on Appropriations of 1888, during First Quarter; Balances on April 1, 1888; Memoranda of 1886; also the Titles and Expenditures on Trust and Special Accounts.

TITLES OF APPROPRIATIONS.	Appropriations, Including Transfers of 1887.	Requisitions from January 1 to December 31, 1887.	Requisitions on Liabilities of 1887, during First Quarter, 1888.	Balances of 1887 on April 1, 1888, Crediting Vouchers Returned.	Appropriations for 1888.	Requisitions, First Quarter of 1888.	Balances on April 1, 1888.
Aqueduct—Repairs, Maintenance and Strengthening.....	\$226,500 00	\$199,660 62	\$12,747 17	\$14,092 21	\$222,833 33	\$23,571 22	\$199,262 11
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	23,500 00	23,000 59	.....	490 41	27,160 00	6,378 18	23,781 82
Boring Examinations for Grading and Sewer Contracts.....	4,600 00	3,218 64	183 36	183 36	4,000 00	525 00	3,475 00
Boulevards, Roads and Avenues, Maintenance of.....	100,000 00	91,662 65	5,080 56	250 79	103,000 00	8,197 64	91,802 36
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	.....	.....	.....	.....	3,000 00	749 97	2,250 03
Bronx River Works—Maintenance and Repairs.....	21,100 00	19,787 92	1,042 31	269 76	21,100 00	4,041 00	17,059 00
Bronx River Works—Maintenance and Repairs—Salaries.....	3,900 00	3,900 00	.....	.....	3,000 00	975 00	2,925 00
Contingencies—Department of Public Works.....	5,250 00	3,333 48	1,822 25	24 26	4,000 00	750 70	3,249 30
Flagging Sidewalks and Fencing Vacant Lots, etc.....	3,000 00	2,999 72	.....	28	14,000 00	.....	14,000 00
For Brown-stone Buildings, Additions to.....	75 00	.....	.....	75 00	.....	.....	.....
For Repairs to Seventh Regiment Armory Building.....	3,000 00	2,484 47	389 03	145 53	.....	.....	.....
For Repairing Water-main Leading to North Brother Island.....	3,000 00	2,045 75	.....	954 25	.....	.....	.....
For New Water-main and Testing for Water Supply, North Brother Island.....	.....	.....	.....	.....	24,000 00	.....	24,000 00
Free Floating Baths.....	30,000 00	13,993 71	978 00	15,038 29	37,305 00	241 00	36,064 00
Free Floating Baths—Salaries.....	20,000 00	9,775 14	.....	10,626 53	18,000 00	1,805 50	16,194 50
Lamps and Gas and Electric Lighting.....	676,000 00	620,931 48	55,242 95	25 57	687,000 00	109,141 24	577,858 76
Lamps and Gas and Electric Lighting—Salaries.....	5,500 00	5,226 96	.....	73 04	6,500 00	1,624 95	4,875 05
Laying Croton Pipes.....	180,000 00	138,303 99	23,318 24	24,377 77	216,000 00	2,948 54	213,051 46
Laying Croton Pipes—Salaries.....	14,000 00	13,999 92	.....	18,491 67	.....	3,725 08	14,705 60
Public Buildings—Construction and Repairs.....	110,500 00	104,561 36	12,363 95	1,150 91	100,000 00	13,040 15	86,959 85
Public Drinking-hydrants.....	2,500 00	1,909 12	44 80	546 08	3,800 00	145 37	3,654 63
Public Drinking-hydrants—Salaries.....	1,000 00	999 96	.....	4	1,200 00	300 00	900 00
Removing Obstructions in Streets and Avenues.....	6,884 00	6,884 00	277 80	1 25	22,000 00	2,395 35	19,604 65
Removing Obstructions in Streets and Avenues—Salaries.....	3,116 00	3,113 30	.....	70	7,500 00	1,450 46	6,049 54
Repairing and Renewal of Pipes, Stop-cocks, etc.....	200,000 00	169,442 30	15,609 71	14,947 99	200,000 00	26,416 41	173,583 59
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	50,000 00	49,983 11	.....	16 89	.....	.....	.....
Repairs and Renewal of Pavements and Regrading.....	258,000 00	231,511 56	8,400 28	17,628 02	400,000 00	9,220 55	390,779 45
Repairs and Renewal of Pavements and Regrading—Salaries.....	12,000 00	11,499 73	.....	14 16	18,000 00	2,959 08	15,040 92
Repairing Streets and Avenues.....	323,879 06	239,776 74	57,084 23	27,018 09	482,000 00	.....	482,000 00
Repairing Streets and Avenues—Salaries.....	13,000 00	5,874 00	1,350 00	5,776 00	15,000 00	2,128 00	15,072 00
Roads, Streets and Avenues Unpaved, Maintenance, etc.....	25,000 00	23,577 43	1,322 55	93 02	25,000 00	2,609 55	22,390 45
Salaries—Department of Public Works.....	108,000 00	104,601 36	.....	2,667 00	24,354 00	.....	83,415 01
Salaries of Engineers, Clerks, etc.—Bureau of Water Register, etc.....	.....	.....	.....	.....	50,000 00	12,027 35	37,972 65
Sewers—Repairing and Cleaning.....	141,500 00	124,632 40	11,727 84	5,139 76	150,000 00	16,225 44	133,774 56
Sewers—Repairing and Cleaning—Salaries.....	8,500 00	8,470 00	.....	30 00	10,000 00	2,348 00	7,652 00
Sewerage System—Salaries.....	12,500 00	12,499 73	.....	17,000 00	.....	3,724 98	12,774 98
Street Improvements—For Surveying, Monumenting, etc.....	3,000 00	1,905 50	80 00	1,014 50	3,000 00	280 00	2,720 00
Supplies for and Cleaning Public Offices.....	118,000 00	108,000 00	9,048 79	930 71	110,000 00	29,663 54	80,336 46
Supplies for and Cleaning Public Offices—Salaries.....	20,000 00	19,928 69	.....	71 31	20,000 00	5,044 37	14,955 63
Surveys, Maps, etc., for Street Openings and New Streets—Salaries.....	9,000 00	5,876 20	.....	3,123 80	6,500 00	1,545 97	4,954 03
Supplying Water to Shipping and for Building Purposes—Salaries.....	9,000 00	8,011 59	.....	88 41	9,000 00	2,250 98	7,749 02
Water Supply for the Twenty-fourth Ward.....	11,070 00	6,444 26	1,283 31	3,742 43	7,800 00	668 79	7,131 21
Water Supply for the Twenty-fourth Ward—Salaries.....	1,000 00	974 98	.....	25 02	1,200 00	300 00	900 00
Wells and Pumps—Repairing and Cleaning.....	250 00	75 57	.....	174 43	250 00	.....	250 00
Totals.....	\$2,773,624 06	\$2,411,851 81	\$220,751 27	\$141,020 98	\$3,180,309 00	\$284,362 26	\$2,895,946 74

NOTE—Requisitions drawn on liabilities of 1886: "Aqueduct—Repairs, Maintenance and Strengthening," \$6,056; "Laying Croton Pipes," \$947.96.

TITLES OF TRUST ACCOUNTS.	Balances from 1887.	Receipts, First Quarter, 1888.	Balances of 1887, and Receipts of 1888.	Requisitions, First Quarter, 1888.	Balances on April 1, 1888.
Croton Water Fund.....	.....	.....	.....	.....	.....
Fund for Local Improvements.....	.....	.....	.....	.....	.....
Restoring and Repairing—Special Fund—Department of Public Works.....	\$12,295 39	\$5,400 00	\$17,701 39	\$2,308 25	\$15,393 14
Water-meter Fund, No. 2.....	18,542 97	2,214 71	20,757 68	1,580 83	19,176 85
Gansevoort Market Building Fund.....	.....	.....	.....	.....	.....

Statement of General Bookkeeper, Department of Public Works, showing all Revenues of the City received through the Department of Public Works during the First Quarter of 1888.

Water rents.....	\$335,057 30	Sales at auction.....	\$242 27
Water penalties.....	3,985 65		
Pipe tapping.....	763 50	Total.....	\$354,110 57
Sewer permits.....	3,369 42		
Vault permits.....	9,902 53	Receipt from "Old" Water-meter Fund, No. 1.....	\$2 70
Redemption of street obstructions.....	753 90		
Use of sprinkling wagon and road roller.....	36 00		

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

Document "B."

A Detailed Statement of Expenditures for which Requisitions were drawn on the Comptroller by the Commissioner of Public Works, during the Quarter ending March 31, 1888.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening—	
Coal	\$180 25
Pay-rolls	18,446 83
Taxes	3,728 32
Tools and supplies	1,071 34
Lumber	62 90
Traveling expenses	81 58
Total	\$23,571 22
Aqueduct—Repairs, Maintenance and Strengthening, 1887—	
Blacksmithing	\$561 34
Coal	3,994 94
Gas	27 84
Lumber	224 26
Pay-rolls	6,499 41
Rent of offices	100 25
Rent of telephones	340 00
Supplies	203 42
Taxes	649 67
Traveling expenses	80 04
Total	\$12,747 17
Aqueduct—Repairs, Maintenance and Strengthening, 1886—	
Cut stone	\$6,056 00
Boring Examinations for Grading and Sewer Contracts—	
Pay-rolls	\$565 00
Boring Examinations for Grading and Sewer Contracts, 1887—	
Steel bars and hammers	\$183 86
Boulevards, Roads and Avenues, Maintenance of—	
Horse-hire	\$180 00
Lumber	133 14
Paint, etc.	21 57
Pay-rolls	7,818 73
Supplies	44 20
Total	\$8,197 64
Boulevards, Roads and Avenues, Maintenance of, 1887—	
Horse-hire	\$90 00
Paint, etc.	130 90
Pay-rolls	1,621 24
Repairing sprinklers	36 60
Stone and screenings	2,343 65
Supplies	144 51
Telephone service	11 25
Tools, etc.	702 41
Total	\$5,080 56
Bronx River Works—Maintenance and Repairs—	
Pay-rolls	\$4,043 00
Bronx River Works—Maintenance and Repairs, 1887—	
Repairing stop-cocks	\$278 80
Taxes	763 52
Total	\$1,042 32
Contingencies—Department of Public Works—	
Horse-hire	\$180 00
Incidental expenses	205 00
Postage	275 70
Total	\$750 70
Contingencies—Department of Public Works, 1887—	
Horse-hire	\$90 00
Incidental expenses	124 30
Models of statues	1,260 10
Postage	55 00
Traveling expenses	362 85
Total	\$1,892 25
Free Floating Baths—	
Wharfage	\$341 00
Free Floating Baths, 1887—	
Wharfage	\$968 00
For Repairs to Seventh Regiment Armory, 1887—	
Carpenter work	\$269 00
Gas-fitting	60 00
Halyards	40 00
Total	\$369 00
Lamps and Gas and Electric Lighting—	
Gas examinations	\$379 50
Horse-hire	35 00
Lamps	795 00
Lamp globes	677 50
Lamp-posts	590 62
Lighting Armory, First Battery	36 25
" " Second Battery	90 00
" " Seventh Regiment	663 50
" " Eighth	138 75
" " Ninth	231 75
" " Eleventh	61 00
" " Twelfth	436 00
" " Twenty-second Regiment	607 75
" " Sixty-ninth	176 00
" " Seventy-first	263 25
" " Brown-stone Building	122 25
" " City Hall	317 25
" " CITY RECORD Book Bindery	3 87
" " County Jail	218 50
" " Court, Civil, First District	5 99
" " " Second	24 25
" " " Fifth	6 50
" " " Sixth	38 75
" " " Eighth	1 75
" " " Ninth	3 75
" " " Tenth	14 38

Lamps and Gas and Electric Lighting—	
Lighting Court, Police, First District	\$260 13
" " " Second	106 25
" " " Third	30 00
" " " Fourth	86 25
" " " Fifth	21 50
" " Court of Special Sessions	41 25
" " Court-house, County	891 25
" " " Third District (clock)	83 50
" " Department of Public Works	308 00
" " " Taxes and Assessments	8 88
" " Engine-house, High Bridge	73 50
" " " Ninety-eighth street	142 75
" " Market, Catharine	41 50
" " " Centre	61 38
" " " Clinton	140 00
" " " Essex	18 25
" " " Fulton	710 25
" " " Jefferson	167 00
" " " Tompkins	132 00
" " " Union	8 87
" " " Washington	762 12
" " Office, Corporation Attorney	47 25
" " " Corporation Counsel	37 25
" " " Register	96 88
" " Repair Shop, Thirtieth street	10 38
" " " Eighty-third street	4 37
" " " Eighty-seventh street	1 87
" " " One Hundred and Twenty-ninth street	13 63
" " Rivington Street Yard	3 63
" " " Twenty-fourth Street Yard	3 37
" " South Gate-house	40 37
" " Streets, Central Gas-light Co.	10,642 42
" " " Consolidated Gas Co.	51,864 96
" " " Equitable Gas-light Co.	4,464 32
" " " New York Mutual Gas-lighting Co.	538 58
" " " New York and New Jersey Globe Gas-light Co.	595 36
" " " Northern Gas-light Co.	9,178 44
" " " Vonkers Gas-light Co.	1,027 77
" " " Brush Electric Illuminating Co.	5,383 05
" " " United States Illuminating Co.	10,452 00
" " " Harlem Lighting Co.	1,732 60
" " " North New York Lighting Co.	621 20
" " " Mount Morris Electric Light Co.	20 40
Maps	6 00
Pay-rolls	756 00
Street signs	640 00
Total	\$109,141 34

Lamps and Gas and Electric Lighting, 1887—	
Lamps	\$587 00
Lamp globes	400 00
Lighting Armory, First Battery	13 75
" " " Second	43 50
" " " Seventh Regiment	22 73
" " " Eighth	69 88
" " " Ninth	86 50
" " " Eleventh	33 25
" " " Twelfth	285 13
" " " Twenty-second Regiment	331 00
" " " Sixty-ninth	87 50
" " " Seventy-first	130 00
" " Bath, One Hundred and Thirty-eighth street	2 56
" " Brown-stone Building	36 87
" " City Hall	148 13
" " CITY RECORD Bookbindery	1 62
" " County Jail	99 75
" " Court, Civil, First District	2 00
" " " Second	9 75
" " " Fourth	3 50
" " " Fifth	15 75
" " " Sixth	1 25
" " " Eighth	4 99
" " " Ninth	6 00
" " " Tenth	3 01
" " Court, Police, First	99 38
" " " Second	47 25
" " " Third	15 00
" " " Fourth	46 75
" " " Fifth	11 00
" " Court of Special Sessions	23 50
" " Court-house, County	365 38
" " " Third District (clock)	42 75
" " Department of Public Works	105 13
" " " Taxes and Assessments	3 87
" " Dog Pound	1 00
" " Market, Catharine	17 00
" " " Centre	29 13
" " " Clinton	52 62
" " " Essex	8 75
" " " Fulton	289 87
" " " Jefferson	80 75
" " " Tompkins	64 75
" " " Union	5 00
" " " Washington	317 00
" " Office, Corporation Attorney	15 13
" " " Corporation Counsel	18 99
" " " Receiver of Taxes	42 75
" " " Register	37 26
" " " Photometrical	27 24
" " Repair Shop, Thirtieth street	3 63
" " " Eighty-third street	1 75
" " " One Hundred and Twenty-ninth street	6 50
" " Rivington Street Yard	1 62
" " " Twenty-fourth Street Yard	1 75
" " South Gate-house	17 75
" " Streets, Central Gas-light Co.	5,742 94
" " " Consolidated Gas Co.	27,318 51
" " " Equitable Gas-light Co.	2,240 87
" " " New York Mutual Gas-light Co.	297 55
" " " New York and New Jersey Globe Gas-light Co.	258 00
" " " Northern Gas-light Co.	5,109 88
" " " Vonkers Gas-light Co.	1,042 33
" " " Brush Electric Illuminating Co.	2,761 35
" " " United States Illuminating Co.	5,414 60
" " " Harlem Lighting Co.	304 20
" " " North New York Lighting Co.	77 60
" " Rent of Photometrical rooms	240 00
" " Repairing lamps	47 50
" " Traveling expenses	77 20
Total	\$55,242 95
Laying Croton Pipes—	
Pay-rolls	\$2,935 25
Protecting gas-mains	13 29
Total	\$2,948 54

Laying Croton Pipes, 1887—

Cast-iron pipe	\$19,404 57
Horse-hire	477 00
Protecting gas-mains	700 53
Traveling expenses	24 08
Pay-rolls	628 50
Sixty-fourth street, between First avenue and Avenue A	323 70
Seventy-third street, between Boulevard and Riverside Drive	142 10
Ninety-second street, between Ninth and Tenth avenues	506 80
One Hundredth street, between West End and Riverside avenues	295 95
One Hundred and Twenty-seventh street, between First and Second avenues	331 41
Water street, between Riverside avenue and 750 feet north	393 60
Total	\$23,318 24

Laying Croton Pipes, 1886—

Ninety-fifth and One Hundred and Eighty-third streets, Sixth and Eleventh avenues, etc.	\$947 96
---	----------

Public Buildings—Construction and Repairs—

Armory, Seventh Regiment	\$67 30
“ Eighth “	791 70
“ Ninth “	355 60
“ Sixty-ninth “	50 48
“ Seventy-first “	68 06
Brown-stone Building	2,803 59
Bureau Repairs and Supplies	730 63
City Hall	751 24
Court, Civil, Third District	148 49
“ Fourth “	22 00
“ Fifth “	105 41
“ Eighth “	282 57
“ Police, First “	7 95
Court-house, Third “	162 00
“ Seventh “	145 15
County “	2,102 59
Dog Pound	270 54
Hall of Records	257 16
Market, Centre	274 79
“ Clinton “	577 43
“ Fulton “	250 00
“ Jefferson “	143 22
No. 31 Chambers street	424 39
No. 49 Beekman street	86 07
Staats Zeitung Building	313 13
Stewart Building	182 00
Pay-rolls	1,582 00
Total	\$13,046 15

Public Buildings—Construction and Repairs, 1887—

Armory, Ninth Regiment	\$1,017 64
“ Eleventh “	127 30
“ Sixty-ninth “	407 89
“ Seventy-first Regiment	28 57
Brown-stone Building	437 86
Bureau Repairs and Supplies	949 15
City Hall	1,061 76
County Jail	879 30
Court, Police, First District	1,032 89
“ Third “	3 00
Court-house, Third “	832 37
“ Seventh “	30 23
County “	373 14
Dog Pound	4,668 95
Hall of Records	10 87
Catharine Market	147 38
No. 31 Chambers street	66 18
No. 49 Beekman street	35 21
Staats Zeitung Building	80 20
Stewart Building	373 96
Total	\$12,563 95

Public Drinking-hydrants—

Repairing hydrants	\$145 37
--------------------	----------

Public Drinking-hydrants, 1887—

Repairing hydrants	\$44 80
--------------------	---------

Removing Obstructions in Streets and Avenues—

Pay-rolls	\$223 00
Removing obstructions, etc.	600 00
Rent of yard	1,482 35
Total	\$2,305 35

Removing Obstructions in Streets and Avenues, 1887—

Removing obstructions, etc.	\$277 80
-----------------------------	----------

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

Cement and lime	\$28 00
Coal and wood	260 00
Damages	251 21
Lumber	47 21
Paints, etc.	187 04
Pay-rolls	24,538 31
Supplies	737 34
Tools, etc.	367 30
Total	\$26,416 41

Repairing and Renewal of Pipes, Stop-cocks, etc., 1887—

Cement	\$27 00
Coal and coke	214 50
Cast-iron pipe	5,368 25
Hydrants, stop-cocks, etc.	1,627 00
Lowering main	660 70
Lumber	383 02
Moving and setting up testing apparatus	726 07
Pay-rolls	4,438 64
Placing meters	600 00
Repairing hydrants	514 48
Supplies	345 56
Telephone service	50 90
Traveling expenses	66 25
Water-meters	581 25
Total	\$15,609 71

Repairs and Renewal of Pavements and Regrading—

Bridge-stone	\$461 25
Cement	93 75
Cutting paving-blocks	125 00
Harness	60 00
Horse-hire	279 75
Maps	24 00
Oil	40 80
Pay-rolls	7,976 50
Repairing tools	111 35

Repairs and Renewal of Pavements and Regrading—

Tools	\$5 25
Traveling expenses	10 65
Wood	32 25
Total	\$9,220 55

Repairs and Renewal of Pavements and Regrading, 1887—

Bridge-stone	\$450 00
Horse-hire	109 00
Repairing pavement	8,087 83
“ tools	99 40
“ harness	13 30
Traveling expenses	20 75
Total	\$8,840 28

Repaving Streets and Avenues, 1887—

Bedford street, between Houston and Christopher streets	\$14,062 58
Crosby street, between Howard and Bleecker streets	7,224 00
Washington street, between Bank and Clarkson streets	17,532 51
Fifteenth street, between Ninth and Tenth avenues	7,816 09
Twenty-sixth, Thirty-sixth and Forty-first streets	10,419 05
Total	\$57,084 23

Roads, Streets and Avenues Unpaved, Maintenance of, etc.—

Pay-rolls	\$2,461 75
Rollers	147 80
Total	\$2,609 55

Roads, Streets and Avenues Unpaved, Maintenance of, etc., 1887—

Hand-rail at One Hundred and Fifty-fifth street	\$116 00
Filling	495 00
Lumber	12 85
Pay-rolls	503 50
Supplies	202 20
Total	\$1,329 55

Sewers—Repairing and Cleaning—

Cement and sand	\$145 00
Cleaning and repairing sewers	4,143 25
Horse-hire	333 00
Manhole heads and covers	538 41
Pay-rolls	9,979 49
Removing basin-heads	5 00
Sewer bottoms	810 00
Tools, etc.	203 04
Wood	68 25
Total	\$16,235 44

Sewers—Repairing and Cleaning, 1887—

Brick, cement, etc.	\$280 00
Cleaning and repairing sewers	10,677 83
Correcting maps	120 00
Horse-hire	171 00
Protecting gas-mains	145 21
Repairing instruments, etc.	110 90
Stone	33 00
Traveling expenses	160 65
Wood	29 25
Total	\$11,727 84

Street Improvements—For Surveying, Monumenting, etc.—

Maps	\$7 00
Pay-rolls	273 00
Total	\$280 00

Street Improvements—For Surveying, Monumenting, etc., 1887—

Correcting maps	\$60 00
Resetting monument	20 00
Total	\$80 00

Supplies for and Cleaning Public Offices—

Armory, Second Battery	\$50 00
“ Eighth Regiment	30 00
“ Eleventh Regiment	50 00
“ Sixty-ninth “	50 00
“ Seventy-first “	25 00
Board of Aldermen	19 75
Board of Assessors	80 00
Brown-stone Building	300 87
Bureau of Repairs and Supplies	7,243 78
Civil Service Board	54 00
Court, Civil, Third District	269 55
“ Fourth “	42 00
“ Fifth “	108 00
“ Seventh “	150 45
“ Eighth “	227 14
“ Tenth “	194 30
“ Police, Second “	30 00
“ Common Pleas	374 65
“ General Sessions	48 92
“ Supreme	170 00
Department of Finance	945 00
“ Public Works	222 50
Office, Corporation Counsel	172 75
“ District Attorney	92 00
“ Receiver of Taxes	94 40
“ Register	120 00
Pay-rolls	18,490 48
Total	\$29,663 54

Supplies for and Cleaning Public Offices, etc., 1887—

Armory, Seventy-first Regiment	\$630 52
Brown-stone Building	51 30
Bureau Repairs and Supplies	2,300 83
City Hall	350 03
County Jail	26 70
Department of Finance	11 35
“ Public Works	30 25
Dog Pound	51 80
Court, Civil, First District	524 15
“ Third “	187 77
“ Fourth “	400 00
“ Eighth “	118 75
“ Tenth “	590 56
“ Police, First “	399 21
“ Second “	195 97
“ Third “	64 42
“ Sixth “	71 04
“ Common Pleas	274 50
“ General Sessions	1,059 85
“ Superior	293 75

Supplies for and Cleaning Public Offices, etc., 1887—

Court-house, County.....	\$87 70
Office, CITY RECORD.....	23 50
County Clerk.....	340 00
District Attorney.....	788 14
Recorder.....	22 60
Register.....	8 00
Surrogate.....	136 50
Total.....	\$9,048 79

Water Supply for the Twenty-fourth Ward—

Supply of water.....	\$668 79
----------------------	----------

Water Supply for the Twenty-fourth Ward, 1887—

Cast-iron pipe.....	\$942 64
Supply of water.....	340 07
Total.....	\$1,283 31

RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening.....	\$23,571 22
Aqueduct—Repairs, Maintenance and Strengthening, 1887.....	12,747 17
Aqueduct—Repairs, Maintenance and Strengthening, 1886.....	6,050 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,378 18
Boulevards, Roads and Avenues, Maintenance of.....	8,197 64
Boulevards, Roads and Avenues, Maintenance of, 1887.....	5,080 56
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	749 07
Boring Examinations for Grading and Sewer Contracts.....	565 00
Boring Examinations for Grading and Sewer Contracts, 1887.....	183 86
Bronx River Works—Maintenance and Repairs.....	4,043 00
Bronx River Works—Maintenance and Repairs, 1887.....	1,042 32
Bronx River Works—Maintenance and Repairs—Salaries.....	975 00
Contingencies—Department of Public Works.....	750 50
Contingencies—Department of Public Works, 1887.....	1,892 25
Free Floating Baths.....	341 00
Free Floating Baths, 1887.....	668 00
Free Floating Baths—Salaries.....	1,865 50
Lamps and Gas and Electric Lighting.....	109,141 34
Lamps and Gas and Electric Lighting, 1887.....	55,242 95
Lamps and Gas and Electric Lighting—Salaries.....	1,024 95
Laying Croton Pipes.....	2,948 54
Laying Croton Pipes, 1887.....	23,318 24
Laying Croton Pipes—Salaries.....	947 99
Laying Croton Pipes—Construction and Repairs.....	3,725 98
Public Buildings—Construction and Repairs.....	13,046 15
Public Buildings—Construction and Repairs, 1887.....	12,563 95
Public Drinking-hydrants.....	145 37
Public Drinking-hydrants, 1887.....	44 80
Public Drinking-hydrants—Salaries.....	300 00
Removing Obstructions in Streets and Avenues.....	2,395 35
Removing Obstructions in Streets and Avenues, 1887.....	277 80
Removing Obstructions in Streets and Avenues—Salaries.....	1,480 46
Repairing and Renewal of Pipes, Stop-cocks, etc., 1887.....	26,416 41
Repairing and Renewal of Pipes, Stop-cocks, etc., 1887.....	15,609 71
Repairing and Renewal of Pavements and Regrading.....	9,220 55
Repairing and Renewal of Pavements and Regrading, 1887.....	8,840 28
Repairing and Renewal of Pavements and Regrading—Salaries.....	2,959 98
Repaving Streets and Avenues, 1887.....	57,084 23
Repaving Streets and Avenues—Salaries.....	2,328 00
Repaving Streets and Avenues—Salaries, 1887.....	1,350 00
Roads, Streets and Avenues Unpaved, Maintenance, etc., 1887.....	2,609 55
Roads, Streets and Avenues Unpaved, Maintenance, etc., 1887.....	1,329 55
Salaries—Department of Public Works.....	24,584 99
Salaries—Department of Public Works, 1887.....	666 66
Salaries of Engineer, Clerks, Inspectors and Measurers, etc.....	12,027 35
Sewers—Repairing and Cleaning.....	16,225 44
Sewers—Repairing and Cleaning, 1887.....	11,727 84
Sewers—Repairing and Cleaning—Salaries.....	2,348 00
Sewerage System—Salaries.....	3,724 09
Street Improvements—For Surveying, etc., 1887.....	280 00
Street Improvements—For Surveying, etc., 1887.....	80 00
Supplies for and Cleaning Public Offices.....	29,663 54
Supplies for and Cleaning Public Offices, 1887.....	9,048 79
Supplies for and Cleaning Public Offices—Salaries.....	5,042 37
Surveys, Maps, etc., for Street Openings—Salaries.....	1,545 97
Supplying Water to Shipping, etc.—Salaries.....	2,260 98
Water Supply for the Twenty-fourth Ward.....	668 79
Water Supply for the Twenty-fourth Ward, 1887.....	1,283 31
Water Supply for the Twenty-fourth Ward—Salaries.....	300 00
For Repairs to Seventh Regiment Armory Building, 1887.....	369 00
Total.....	\$552,117 49

TRUST ACCOUNTS.

CROTON WATER FUND.

Clerical services.....	\$909 11
Coal and wood.....	110 75
Drawing materials.....	212 84
Expert services.....	50 00
Horse-hire.....	322 00
Legal services.....	258 42
Pay-rolls.....	14,702 77
Printing.....	872 51
Register's fees.....	376 10
Rent of mill seat.....	300 00
Rent of offices.....	276 00
Repairing instruments.....	3 50
Traveling expenses.....	813 57
Total.....	\$19,207 57

FUND FOR LOCAL IMPROVEMENTS.

Sewer—	
One Hundred and Seventeenth street, between Fifth and Sixth avenues.....	\$524 25
Regulating, Grading, etc.—	
Fort Washington Ridge road.....	\$1,449 00
Ninety-third street, between West End avenue and Riverside Drive.....	2,670 00
Pay-rolls.....	228 00
Total.....	\$4,347 00

STREET IMPROVEMENT FUND.

Fencing—	
Lexington avenue, west side, between Ninety-fifth and Ninety-sixth streets.....	\$273 29
Southwest corner of Lexington avenue and One Hundred and Ninth street.....	71 62
St. Nicholas avenue, east side, between One Hundred and Forty-first and One Hundred and Forty-fifth streets.....	573 16
No. 1417 Avenue A.....	13 08
One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, Sixth and Seventh avenues.....	431 04
Surveying.....	94 52
Total.....	\$1,456 71

Flagging—

Second avenue, east side, between One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets.....	\$210 86
Third avenue, west side, between One Hundred and Seventh and One Hundred and Eighth streets.....	109 35
Fourth avenue, west side, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.....	257 11
Northwest corner of Fifty-seventh street and First avenue.....	966 73
Surveying.....	60 77
Total.....	\$1,604 82

Paving—

Coenties Slip and South street, between Piers 6 and 8, East river.....	\$2,246 25
Madison avenue, between Eighty-sixth and Ninety-fourth streets.....	7,112 70
Ninetieth street, between Eighth and Ninth avenues.....	2,572 50
One Hundred and Fifteenth street, between Seventh and Eighth avenues.....	6,402 08
Pay-rolls.....	934 50
Surveying.....	1,487 02
Total.....	20,755 95

Planting Trees—

West End avenue, between Seventy-second and One Hundred and Seventh streets.....	\$6,304 24
Surveying.....	1,690 33
Total.....	7,994 57

Regulating, Grading, etc.—

Edgecomb avenue, between One Hundred and Forty-fifth street and St. Nicholas place.....	\$5,398 75
Gansevoort and Thirteenth streets.....	4,715 43
Hamilton place, between Boulevard and Tenth avenue.....	1,102 50
Kingsbridge road, between One Hundred and Ninetieth street and Harlem river.....	7,787 50
First new avenue west of Eighth avenue, between One Hundred and Forty-second and One Hundred and Forty-fifth streets.....	5,075 00
First new avenue west of Eighth avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets.....	3,290 00
Forty-third street, between First avenue and Prospect place.....	3,114 50
Sixty-third street, between Tenth and Eleventh avenues.....	8,032 50
Ninety-first street, between Tenth avenue and Riverside Drive.....	3,166 57
One Hundred and Second street, between Ninth avenue and Riverside Drive.....	3,325 00
One Hundred and Fourteenth street, between Eighth and Ninth avenues.....	1,851 50
One Hundred and Fifteenth street, between Eighth and Ninth avenues.....	1,562 40
One Hundred and Nineteenth street, between Eighth and Ninth avenues.....	2,785 16
One Hundred and Forty-eighth street, between Seventh and Eighth avenues.....	2,181 90
Pay-rolls.....	4,685 00
Surveying.....	974 10
Total.....	59,047 81

Sewers—

Madison avenue, between Ninety-fourth and One Hundred and Third streets.....	\$1,356 60
Northwest corner of Seventy-sixth street and Lexington avenue.....	294 00
Northwest corner of One Hundred and Twenty-fifth street and First avenue.....	9 22
Outlet, Pier 29, East river.....	2,370 30
Foot of Rector street.....	1,929 35
St. Nicholas avenue, between One Hundred and Fifty-eighth and One Hundred and Sixty-second streets.....	1,265 25
West End avenue, between Sixty-fourth and Sixty-fifth streets.....	1,111 22
Fourth avenue, east side, between Ninety-sixth and One Hundred and Second streets.....	1,885 80
Fourth avenue, west side, between One Hundred and Twenty-first and One Hundred and Twenty-third streets.....	2,435 13
Eighth avenue, between One Hundred and Fifth and One Hundred and Fourteenth streets.....	3,924 12
Tenth avenue, west side, between Twenty-second and Twenty-third streets.....	902 20
Fifty-third street, between Tenth and Eleventh avenues.....	1,074 50
Seventy-second street, between Hudson river and Eleventh avenue.....	4,462 50
Seventy-fourth street, between Eighth and Ninth avenues.....	2,519 18
Seventy-fifth street, between Ninth and Tenth avenues.....	224 70
Seventy-fifth street, between Avenue A and East river.....	2,730 00
Eighty-second street, between Boulevard and Riverside Drive.....	2,917 60
Eighty-eighth street, between Riverside and West End avenues.....	1,081 50
Ninety-first street, between First and Second avenues.....	1,172 50
Ninety-first street, between Eighth and Ninth avenues.....	210 50
Ninety-second street, between Ninth avenue and Boulevard.....	1,560 65
One Hundred and Third street, between West End avenue and Riverside Drive.....	2,668 65
One Hundred and Fifth street, between Manhattan avenue and summit west of Ninth avenue.....	2,356 69
One Hundred and Fifth street, between Tenth avenue and summit east of Broadway.....	2,209 50
One Hundred and Thirteenth street, between Tenth avenue and Broadway.....	1,772 80
Pay-rolls.....	14,833 31
Protecting gas-mains.....	170 56
Total.....	59,448 33
Total.....	\$150,308 19

GANSEVOORT MARKET BUILDING FUND.

Architect's fees.....	\$3,580 82
Pay-rolls.....	351 00
Work on contract.....	52,740 00
Total.....	\$56,671 82

RESTORING AND REPAVING—SPECIAL FUND.

Pay-rolls.....	\$960 25
Restoring pavements.....	1,348 00
Total.....	\$2,308 25

WATER-METER FUND, NO. 2.

Placing meters.....	\$979 08
Water-meters.....	601 75
Total.....	\$1,580 83

RECAPITULATION OF FUNDS.

Croton Water Fund.....	\$19,207 57
Fund for Local Improvements.....	524 25
Local Improvement Fund.....	4,347 00
Street Improvement Fund.....	150,308 19
Gansevoort Market Building Fund.....	56,671 82
Restoring and Repaving—Special Fund.....	2,308 25
Water-meter Fund, No. 2.....	1,580 83
Total.....	\$234,947 91

GENERAL SUMMARY.

Appropriations.....	\$552,117 49
Funds.....	234,947 91
Total.....	\$787,065 40

Document "C."

STATEMENT OF CONTRACTS

Contracts Entered Into during the Three Months ending March 31, 1888.

Document "C."

STATEMENT OF CONTRACTS.

Contracts Entered Into during the Three Months ending March 31, 1888.

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1888.	<i>Sewer Contracts.</i>			
Jan. 7	Sewer in Fourth avenue, between One Hundred and Twentieth and One Hundred and Twenty-first streets.....	Terence A. Smith, 162 East 36th street.	Joseph C. Biglin, 112 Nassau street... Thomas Barley, 546 Third avenue...	\$1,188 75
" 14	Sewer in One Hundred and Fortieth street, between Eighth and Edgecomb avenues.....	Miacho Fortunato, 163d st. and 10th ave.	William Bostelmann, 262 West 10th street... Patrick Larney, 325 East 38th street.	854 25
" 14	Sewer in Edgecomb avenue, between One Hundred and Fortieth and One Hundred and Forty-first streets.....	Miacho Fortunato, 163d st. and 10th ave.	William Bostelmann, 262 West 10th street... Patrick Larney, 325 East 38th street.	1,005 00
" 16	Sewer in Pleasant avenue, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.....	Terence A. Smith, 162 East 36th street.	Joseph C. Biglin, 112 Nassau street... Thomas Barley, 546 Third avenue... John McQuade, 1318 Lexington ave.	1,190 45
Feb. 4	Sewer in One Hundred and Twentieth street, between Eighth and Ninth avenues.....	Martin & Devlin, 621 East 19th street.	Charles Jones, 257 Alexander ave... William Bostelmann, 102 West street....	2,078 50
" 8	Sewer in One Hundred and Fifty-third street, between Tenth avenue and Boulevard, connecting with present sewer in Boulevard.....	Miacho Fortunato, 163d st. and 10th ave.	Patrick Larney, 325 East 38th street... Joseph C. Biglin, 112 Nassau street....	3,332 00
" 8	Sewer in Ninety-fourth street, between Second and Third avenues.....	Terence A. Smith, 162 East 36th street.	Thomas Barley, 546 Third avenue....	4,500 50
" 8	Alteration and improvement to sewer in Fourth avenue, west side, between Seventy-third and Seventy-fourth streets, connecting with present sewer in Seventy-fourth street, from first manhole in Seventy-third street west of Fourth avenue.....	Terence A. Smith, 162 East 36th street.	Joseph C. Biglin, 112 Nassau street... Thomas Barley, 546 Third avenue....	3,765 00
" 10	Sewer in Avenue B, between Eighty-third and Eighty-fourth streets...	John Butler, 8 Prospect place....	Michael Kane, 126 East 70th street... Patrick Reynolds, 399 East 80th street... Thomas F. Murray, 130th st. and 10th ave.	1,448 75
" 13	Sewer in One Hundred and Forty-ninth street, between Seventh and Eighth avenues.....	Bernard Mahon, 2293 Seventh avenue.	Walter J. Ford, 79 Sixth avenue.... James Rogers, Boulevard and 132d street.....	3,375 00
Mar. 3	Sewer in Madison avenue, between One Hundred and Fifteenth and One Hundred and Sixteenth streets.....	Thomas Murray, 130th st., nr. 10th ave.	John Ryan, 129th street, bet. 11th and 12th avenues... James Rogers, Boulevard and 132d street.....	2,790 00
" 3	Sewer in One Hundredth street, between West End and Riverside avenues.....	Thomas Murray, 130th st., nr. 10th ave.	John Ryan, 129th street, bet. 11th and 12th avenues... Edward Mahon, 300 East 70th street... Samuel Smyth, 405 East 61st street....	6,773 75
" 29	Sewer in Seventy-third street, between West End and Riverside avenues.....	George Connolly, 300 East 70th street.		2,278 00
				\$34,179 95
	<i>Regulating and Grading Contracts.</i>			
Feb. 28	Regulating and grading One Hundred and Fiftieth street, from Tenth avenue to St. Nicholas avenue.....	Andrew Low, 395 East 139th street	Peter McGinness, 1546 Park avenue... D. W. Moran, 349 East 72d street....	\$2,184 30
" 28	Regulating and grading Manhattan avenue, from the intersection of Manhattan avenue with the avenue bounding Morningside avenue on the east, between One Hundred and Thirteenth and One Hundred and Fourteenth streets, to One Hundred and Sixteenth street.....	Andrew Low, 395 East 139th street	Peter McGinness, 1546 Park avenue... D. W. Moran, 349 East 72d street....	2,195 46
Mar. 26	Regulating and grading Ninety-seventh street, from Tenth avenue to Riverside Drive.....	Thomas Murray, 130th st., nr. 10th ave.	Thomas Hueston, Broadway and Lawrence street.... Thomas F. Murray, 10th avenue, bet. 130th and 131st streets....	4,195 88
				\$8,576 64
	<i>Paving Contracts.</i>			
Jan. 4	Paving with granite-block pavement Madison avenue, from One Hundred and Twentieth to One Hundred and Twenty-first street....	Thomas Gearty, 135 East 83d street.	P. H. McCullagh, 240 East 32d street... Farrell Dorriety, 240 East 32d street... Farrell Dorriety, 240 East 32d street... P. H. McCullagh, 240 East 32d street...	\$1,612 29
" 4	Paving with trap-block pavement One Hundred and Thirtieth street, from Sixth to Seventh avenue.....	Thomas Gearty, 135 East 83d street.	Thomas Tully, 548 East 80th street... Bernard Mahon, 240 East 32d street...	6,529 01
" 9	Paving One Hundred and Seventh street, from First avenue to bulkhead-line on the East or Harlem river.....	John B. Devlin, 8 Henderson place..	Matthew Baird, 339 East 63d street... James Baird, 339 East 63d street...	6,021 00
" 13	Paving with trap-block pavement One Hundred and Eleventh street, from Madison to Fifth avenue....	William J. Clark, 339 East 63d street..	Matthew Baird, 339 East 63d street... James Baird, 339 East 63d street...	3,616 50
" 13	Paving with trap-block pavement Eighty-ninth street, from First to Second avenue.....	William J. Clark, 339 East 63d street..	Matthew Baird, 339 East 63d street... James Baird, 339 East 63d street...	5,298 00
Feb. 28	Paving with Macadam pavement Eleventh avenue, from One Hundred and Fifty-fifth street to the intersection thereof with Kingsbridge road, resetting old curbstones and furnishing and setting new curbstones where not already done.....	Bernard Mahon, 2293 Seventh avenue.	Charles H. Field, 557 Madison avenue... Charles Jones, 257 Alexander ave....	43,364 15
				\$69,540 95
	<i>Laying Water-main Contract.</i>			
Feb. 13	Laying water-mains in Tenth, Fourth and Westchester avenues, in One Hundred and Seventy-sixth, One Hundred and Sixteenth, Seventy-second, Sixty-seventh, and Fifty-third streets and in Riverside Drive.....	F. Thilemann, Jr., 119 East 122d street.	John T. McDonald, 229 East 62d street... James H. Londergan, 419 East 119th street.	\$20,435 00
	<i>Miscellaneous Contracts.</i>			
Jan. 5	Furnishing the Department of Public Works with 3,000 gross tons, 2,240 pounds to a ton, of broken-size Lehigh and Wilkesbarre Co.'s best Lehigh and Wilkesbarre coal, and 20 tons of English canal coal.....	William D. Bruns, Jr., 24th street, E. R....	John F. Hanley, 244 East 20th street... Andrew Koch, 208 East 70th street.	\$17,832 50
Feb. 6	Furnishing and delivering ice to the Department of Public Works and the public buildings and offices in care of said department, for the year ending December 31, 1888...	Ransom Parker, Jr., 155 Charles street...	J. W. Boyle, 130 West 12th street... Frank C. Meehan, 222 West 21st street.	9,094 50
Mar. 5	Furnishing and delivering cut-stone at the reservoir at High Bridge....	The Mount Adam Granite Co., Middletown, Orange Co., N. Y.	Harris Beaver, 189 Eighth avenue... Harris Beaver, 264 West 17th street.	4,350 00
				\$24,207 00

Date of Contract.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
	<i>Special Contracts.</i>			
Jan. 4	Fencing vacant lots bounded by One Hundred and Sixth and One Hundred and Seventh streets, Manhattan and Ninth avenues...	Bernard A. Roth, 402 East 122d street.	F. Thilemann, Jr., 119 East 122d street..	\$562 50
" 9	Flagging west side Madison avenue, between One Hundred and Twenty-seventh and One Hundred and Twenty-eighth streets...	Bernard Mahon, 2293 Seventh avenue.	Walter Ford, Stewart Building....	679 40
" 7	Extension of sewer in Eighth avenue, west side, between Eighty-fourth and Eighty-fifth streets.....	Terence A. Smith, 162 East 36th street.	Joseph C. Biglin, 112 Nassau street....	724 10
Feb. 21	Fencing vacant lots in block bounded by Ninety-third and Ninety-fourth streets, and Eighth and Ninth avenues, where not already done.	Bernard A. Roth, 402 East 122d street.		717 50
" 24	Regulating and grading Eighty-sixth street, from Ninth avenue to Riverside Drive.....	John G. Smith, 329 West 48th street.	Matthew Baird, 807 Lexington ave...	981 50
" 27	Regulating and grading One Hundred and Sixty-first street, from St. Nicholas avenue to Tenth avenue.	Patrick Larney, 325 East 38th street.	Bernard Mahon, 2293 Seventh avenue.	620 00
Mar. 9	Fencing vacant lots northeast corner Seventh avenue and One Hundred and Twenty-third street.....	Bernard A. Roth, 402 East 122d street.	F. Thilemann, Jr., 119 East 122d street.	113 00
" 9	Fencing vacant lots in block bounded by One Hundred and Sixth and One Hundred and Seventh streets, Boulevard and Tenth avenue....	Bernard A. Roth, 402 East 122d street.	F. Thilemann, Jr., 119 East 122d street.	503 00
" 23	Fencing vacant lots in block bounded by Seventy-eighth and Seventy-ninth streets, Ninth and Tenth avenues, where not already done.	Bernard A. Roth, 402 East 122d street.	John Kerr, 172 East 120th street	75 00
" 23	Fencing vacant lots on both sides of Ninety-sixth street, between Eighth and Ninth avenues, where not already done.	Bernard A. Roth, 402 East 122d street.	John Kerr, 172 East 120th street	614 00
" 23	Fencing sunken lots in block bounded by One Hundred and Thirteenth and One Hundred and Fourteenth streets, Madison and Fifth avenues, where not already done.	Bernard A. Roth, 402 East 122d street.	John Kerr, 172 East 120th street	396 00
" 24	Paving with trap-block pavement Second avenue, from One Hundred and Twenty-eighth street to present bulkhead-line of Harlem river.....	Matthew Baird, 339 East 63d street..	James Baird, 310 East 57th street.	655 35
" 30	Receiving-basin on northeast corner Sixty-fourth street and First avenue.....	Bernard Mahon, 2293 Seventh avenue.	Walter J. Ford, Stewart Building....	320 00
" 30	Receiving-basin on southwest corner One Hundred and Fifteenth street and Fifth avenue.....	Bernard Mahon, 2293 Seventh avenue.	Walter J. Ford, Stewart Building....	300 00
				\$7,294 00
	RECAPITULATION.			
	13 Sewer Contracts.....			\$24,579 95
	3 Regulating and Grading Contracts.....			8,576 64
	6 Paving Contracts.....			69,540 95
	1 Laying Water-main Contract.....			20,435 00
	3 Miscellaneous Contracts.....			24,207 00
	14 Special Contracts.....			7,294 00
	40 Contracts.....			\$164,633 61

Contracts Completed during the Three Months ending March 31, 1888.

DATE.	NATURE.	LOCATION OF WORK.	TOTAL COST.
Jan. 5	Flagging.....	Third avenue, between One Hundred and Seventh and One Hundred and Eighth streets.....	\$121 40
" 5	".....	Second avenue, east side, between One Hundred and Twenty-eighth and One Hundred and Twenty-ninth streets.....	236 80
" 5	Regulating and grading.....	One Hundred and Nineteenth street, from Eighth to Ninth avenue.....	3,204 00
" 6	Fencing vacant lots.....	West side Lexington avenue, Ninety-fifth and Ninety-sixth streets.....	321 35
" 6	" lot.....	No. 1417 Avenue A.....	17 60
" 6	Furnishing materials and performing work required for the erection of a building for use of Dog Pound.....		
" 6	Regulating and grading.....	At foot One Hundred and Second street, East river..	4,168 00
" 10	Sewer.....	Gansevoort street, from Washington street to its intersection at Thirteenth and West Fourth streets, to Eighth avenue.....	19,447 25
" 10	Extension of sewer.....	Seventy-fourth street, between Eighth and Ninth avenues.....	9,977 25
" 10	Fencing vacant lot.....	In One Hundred and Fifth street, between Tenth avenue and summit east.....	2,662 28
" 10	Paving.....	Corner Lexington avenue and One Hundred and Ninth street.....	85 60
" 10	Regulating and grading.....	One Hundred and Fifteenth street, from Seventh to Eighth avenue.....	7,001 70
" 10	Paving.....	Ninety-first street, from Tenth avenue to Riverside Drive.....	13,634 00
" 10	".....	Bedford street, from Houston to Christopher street, and Hester street, from Bowery to Clinton street....	24,273 88
" 13	Planting maple trees.....	Twenty-sixth street, from Third to Lexington avenue, Thirty-sixth street, from First avenue to East river, and Forty-first street, from Second avenue to Prospect place.....	10,885 90
" 13	Outlet sewer.....	In Eleventh (West End) avenue, between Seventy-second and One Hundred and Seventh streets.....	\$1,649 35
" 15	Paving.....	Through Pier 29, East river, with alteration and improvement to existing sewer at foot of Roosevelt street.....	7,853 20
" 16	Furnishing and delivering ice to the Department of Public Works and the public buildings and offices in care of said Department, for the year ending December 31, 1887.	Fifteenth street, from Ninth to Tenth avenue, and Twentieth street, from Sixth to Seventh avenue...	12,027 51
" 17	Paving.....	At Reservoir at High Bridge.....	
" 21	Building retaining-wall and stairways.....		
" 28	Flagging.....	Counties Slip and South street, between Piers 6 and 8, East river.....	2,557 64
Feb. 4	Paving.....	Washington street, from Bank to Clarkson street....	6,510 25
" 6	Sewer.....	Northwest corner of Fifty-seventh street and First avenue.....	18,217 95
Mar. 5	Furnishing and delivering cut-stone.	In One Hundred and Third street, between West End and Riverside avenues.....	1,037 00
		At Reservoir at High Bridge.....	3,380 20
			20,343 50
		Total.....	\$194,741 37
	RECAPITULATION.		
	4 Sewer Contracts.....		\$23,873 12
	4 Regulating and Grading Contracts.....		40,512 38
	3 Paving Contracts.....		73,511 98
	4 Paving Contracts, under chapter 321, New York City Consolidation Act of 1882..		66,305 32
	3 Miscellaneous Contracts.....		27,069 14
	6 Special Contracts.....		1,820 04
	1 Tree Planting Contract.....		21,649 39
	24 Contracts.....		\$194,741 37

Document "D."

REPORT OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF CHIEF ENGINEER, No. 31 CHAMBERS STREET, ROOM 10,
NEW YORK, April 3, 1888.

Gen. JOHN NEWTON, *Commissioner of Public Works*:

DEAR SIR—I herewith submit report for the quarter ending March 31, 1888.

EXPENDITURES.

Aqueduct—Repairs, Maintenance and Strengthening	\$42,374 39
Aqueduct—Repairs, Maintenance and Strengthening—Salaries	6,378 18
Bronx River Works—Maintenance and Repairs	5,085 32
Bronx River Works—Maintenance and Repairs—Salaries	975 00
Croton Water Fund	19,207 55
Contingencies—Department of Public Works	1,200 10
Laying Croton Pipes	27,214 74
Laying Croton Pipes—Salaries	3,725 98
Repairing and Renewal of Pipes, Stop-cocks, etc.	15,503 69
Repairing and Renewal of Pipes, Stop-cocks, etc.—West Street	217 54
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries	2,250 99
Water Supply—Twenty-fourth Ward	1,952 10
Water-meter Fund, No. 2	1,580 83
Total	\$127,792 41

STORAGE RESERVOIRS.

All of the storage reservoirs and lakes in the Croton basin are full. The reservoirs on the Bronx river are full for the first time since its completion in 1884.

Rain-fall—Inches.

	JANUARY.	FEBRUARY.	MARCH.	TOTAL FOR QUARTER.
Boyd's Corners Reservoir	5.55	5.07	6.44	17.07
South East Reservoir	5.24	5.15	6.69	17.08
Kensico Reservoir	5.68	4.71	4.51	14.90
Croton Dam	4.83	4.69	4.62	14.16
Central Park Reservoirs	4.89	3.72	4.69	13.30

BRONX RIVER SUPPLY.

The Commissioners appointed to appraise damages on the Bronx river, between Bronxville and Woodlawn, are holding regular meetings.

Maps, searches and descriptions are being prepared for the appointment of commissioners to appraise damages on the Bronx river for the diversion of water at Kensico dam, from Woodlawn to tide-water.

No work has been done at the Williamsbridge Reservoir on account of the weather.

Two gangs of men have been steadily employed clearing ditches, culverts, bridges, etc., along the line and repairing roads.

1,435,000,000 gallons have been supplied to the city.

Negotiations for land for Byram river connection are progressing favorably.

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

The contract for furnishing stone at High Bridge Reservoir has been filled.
A contract for furnishing ashlar stone has been entered into.

Amount of Work Done during the Quarter.

DIVISIONS.	EARTH EXCAVATION.	STONE QUARRIED.	DRY MASONRY.	FENCE BUILT.	FENCE REPAIRED.	PAVING.
	Cubic Yards.	Cubic Yards.	Cubic Yards.	Lineal Feet.	Lineal Feet.	Square Yds.
First .....	....	....	....	....	....	....
Second .....	....	....	....	....	....	....
Third .....	....	120	85	....	....	....
Fourth .....	....	....	....	....	250	....
Fifth	75	....	262	4,000	1,300	30
Sixth	430	381	381	....	....	....
Seventh	609	333	309	....	....	....
Eighth .....	....	....	....	....	....	....
Totals	1,124	834	1,037	4,000	1,550	30

The general work along the line of Aqueduct has been conducted as usual, which consists largely, during these months, of clearing up portions of the line from snow and ice, and keeping drains, gutters and culverts open throughout its entire length. An unusual amount of this work has been necessary during the quarter just ended; care and doctoring of leaks.

The particular work on each division may be briefly outlined, as follows:

First Division—Care of gate-house, lake and dam; policing vicinity of same; cutting brush and trees around shores of lake; clearing ice and snow from paths, culverts and drains.

Second Division—Clearing up line, culverts and drains from ice and snow; doctoring and attention to leaks. The leak at Sing Sing arch has been particularly troublesome during the past quarter, requiring constant doctoring, with only partial success, the sudden changes in temperature contracting and expanding the masonry of the bridge and Aqueduct, causing same.

Third Division—Building wall in waste lot and continuing wall on arch bank; quarrying stone for same; clearing up line, drains, etc., from ice and snow.

Fourth Division—Repairing fences; hewing posts for same; clearing up line, drains and culverts from ice and snow.

Fifth Division—Building walls at gate-house and Spring Hill Grove; painting house and barn; building and repairing fences; clearing culverts, etc., from ice and snow.

Sixth Division—Building wall in Sanford's lot; quarrying stone for same; clearing up line and culverts from ice and snow.

Seventh Division—Care of High Bridge gate-houses, engine-houses, tower and reservoir; quarrying, building wall, filling in and excavating at reservoir; clearing snow and ice from bridge steps, paths, culverts and drains; hoisting coal for engines, etc.

Eighth Division—Repairs and maintenance of high service works, Forty-second Street and Central Park Reservoirs; painting interior of keepers' house and Ninety-second and Ninety-third streets gate-houses; planing floor of high service engine-room; patrolling Central Park Reservoirs, etc., etc.

LAYING CROTON PIPES.

The continuous cold weather stopped all work.

One contract for laying pipe has been entered into.

Contracts for laying mains in One Hundred and Third street, between Eleventh avenue and Riverside Drive, and in Water street, between Riverdale avenue and Ackerman lane, have been completed.

Amount of Pipe Laid during the Quarter.

6-inch pipe, 721 lineal feet.
3 hydrants set.

METERS.

Number of meters placed during the quarter	350
Number of meters in use, December 31, 1887	16,552
Total number of meters in use, March 31, 1888	16,902

WASTE AND USE OF WATER.

From the 3d of January there has been continuous freezing weather until the 27th of March, with no warm days as is usual during other winters. This has induced a continued and large waste of water to keep service-pipes from freezing.

The reservoirs in the city have lost 8 feet 7 inches of water, equal to 240,000,000 gallons, in addition to 96,000,000 gallons per day from the Croton Aqueduct and 15,750,000 gallons per day from the Bronx river.

Three times during the winter the Forty-second Street Reservoir has been emptied, causing widespread want of water on all high points in the city.

The waste has since the 27th of March decreased, and, with continued warmer weather, I am in hopes that it will cease and danger of excessively low pressures be averted for the time being.

Respectfully, yours,

GEO. W. BIRDSALL, Chief Engineer Croton Aqueduct.

Document "E."

REPORT OF THE WATER PURVEYOR.

DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, No. 31 CHAMBERS STREET, ROOM 1,
NEW YORK, April 3, 1888.

Gen. JOHN NEWTON, *Commissioner of Public Works*:

SIR—I have the honor to submit the following report of the transactions of this Bureau, for the quarter ending March 31, 1888:

RECEIPTS.

For permits to construct vaults

\$9,902 53

EXPENDITURES.

89 vouchers were transmitted during the quarter, amounting in the aggregate to one hundred and twenty-six thousand two hundred and twelve dollars and one cent (\$126,212.01), and were charged to the following accounts:

Public Drinking-hydrants, 1887	\$44 80
Public Drinking-hydrants, 1888	145 37
Public Drinking-hydrants—Salaries	300 00
Repairs and Renewal of Pavements and Regrading, 1887	8,840 28
Repairs and Renewal of Pavements and Regrading, 1888	9,251 29
Repairs and Renewal of Pavements and Regrading—Salaries	2,959 98
Repairing Streets and Avenues, 1887	57,084 23
Repairing Streets and Avenues—Salaries, 1888	3,328 00
Repairing and Renewal of Pipes, Stop-cocks, etc., 1887	3,932 84
Repairing and Renewal of Pipes, Stop-cocks, etc., 1888	18,457 27
Restoring and Repairing—Special Fund—Department of Public Works	2,854 00
Street Improvement Fund	20,013 95
Total	\$126,212 01

PERMITS ISSUED.

10 permits for the construction of vaults.

28 permits for repairing vaults.

31 permits for erecting guy-posts.

153 permits for building fires on the streets for roofing purposes.

8 permits for repairs to pavements at expense of citizens.

Under a resolution of the Board of Aldermen of March 14, 1888, a permit was issued to J. Steinfeld to construct a crosswalk across Broadway, opposite No. 1443, at his own expense.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

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

In January, 51 men and 5 carts.

In February, 60 men and 6 carts.

In March, 72 men, 8 carts and 1 team.

2,992 square yards of pavement were relaid.

The severity of the winter has prevented extensive and systematic repairs to street pavements, and only the most dangerous places have been repaired.

4,272 $\frac{1}{2}$ square yards of pavement were relaid under orders completed during the quarter, the cost in each case having been less than one thousand dollars (\$1,000), in the following streets:

Wall street, from William to Hanover street.

Tenth avenue, intersection of Eighty-first street.

Ninth avenue, intersection of One Hundredth street.

Ninth avenue, intersection of One Hundred and Fifth street.

Ninth avenue, intersection of Ninety-second street.

Coenties Slip and South street, between Piers 6 and 8, East river.

Twenty-fifth street, west of Broadway.

The relaying of the pavement in Wall street, from William to Nassau street, under contract, was completed, the quantity of pavement relaid being 1,460 $\frac{1}{2}$ square yards, making the total of pavement relaid during the quarter, 8,725 square yards.

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

The average force employed in repairing pipes, stop-cocks, fire-hydrants, etc., during the quarter was:

In January, 100 men and 11 carts.

In February, 101 men and 11 carts.

In March, 102 men and 11 carts.

362 defects in pipes and stop-cocks were repaired.

72 taps were shut off on account of leaks in service-pipes.

997 fire-hydrants were repaired.

79 new fire-hydrants were substituted for old.

248 defects in pavements were repaired.

PUBLIC DRINKING-HYDRANTS.

19 drinking-hydrants were repaired.

STREET OPENINGS.

The following work was done during the quarter under the supervision of this Bureau:

3,676 openings were made to repair all mains other than Croton water-mains, and to make connections and repairs for gas, steam, water, sewers and electric lights and subways.

495 notices were sent to corporations and others to repair bad pavement over openings made by them.

359 bad places in the pavements were repaired in compliance with the above notices.

549 poles were erected by telegraph and telephone companies.

Yours, respectfully,

A. G. CULVER, Water Purveyor.

Document "F."

REPORT OF ENGINEER IN CHARGE OF SEWERS.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS,
No. 31 CHAMBERS STREET, ROOM 9,
NEW YORK, April 3, 1888.

Gen. JOHN NEWTON, *Commissioner of Public Works*:

SIR—Herewith you have my report of the transactions of this office for the quarter ending March 31, 1888. During this time 3,244 lineal feet of sewer have been built, making the present total length of the sewerage in the city 2,228,798 lineal feet (422 $\frac{1}{10}$ miles), with 5,112 receiving-basins.

During the quarter contracts for the construction of 6 sewers have been completed, viz.:

One Hundred and Third street, between West End and Riverside avenues.
One Hundred and Fifth street, between Tenth avenue and summit east.
Seventy-fourth street, between Eighth and Ninth avenues.
One Hundred and Fifty-third street, between McComb's Dam road and Eighth avenue, etc.
Seventy-third street, between summit west of Boulevard and Boulevard.
Fourth avenue, east side, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.

There are now in progress of construction 28 sewers, and, early in April, work will be commenced on 21 more sewers, which has been suspended on account of the inclemency of the weather.

Contracts for repairs to sewers in First avenue, between Ninety-fifth and One Hundredth streets, and in Ninth avenue, between Ninety-second and Ninety-sixth streets, chargeable to "Sewers—Repairing and Cleaning," appropriation for 1887, have been completed. The weather, during the past three months, has interfered with the work of our mechanics and laborers, but 587 basins and 23,166 lineal feet of sewer have been cleaned and 941 lineal feet of sewer have been repaired.

Respectfully,

HORACE LOOMIS, *Engineer in Charge of Sewers.*

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING MARCH 31, 1888.

Credit to General Fund—	
Amount received for 147 permits for sewer connections.....	\$3,368 80
Engineers' Fees—	
Amount of Engineers' fees assessed on property benefited, charged on assessment lists and credited to Street Improvement Fund.....	\$1,668 43
Sewers—Repairing and Cleaning—	
Appropriation for 1888.....	\$150,000 00.
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Laborers, etc.....	\$15,226 86
Special repairs (under \$1,000).....	4,143 25
Materials and sundries.....	2,102 70
Balance on hand, March 31, 1888.....	128,527 19
	150,000 00
Sewers—Repairing and Cleaning—1887 Account—	
Balance on hand, December 31, 1887.....	\$16,868 10
Vouchers transmitted to the Commissioner of Public Works—	
On contracts for repairs.....	\$9,860 53
Special repairs.....	757 30
Materials and sundries.....	949 36
Transportation expenses.....	160 05
Balance on hand, March 31, 1888.....	5,140 20
	16,868 10
Salaries—Sewers—Repairing and Cleaning—	
Appropriation for 1888.....	\$10,000 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Inspectors, etc.....	\$2,348 00
Balance on hand, March 31, 1888.....	7,652 00
	10,000 00
Salaries—Sewerage System—	
Appropriation for 1888.....	\$17,000 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Engineers, etc.....	\$3,724 99
Balance on hand, March 31, 1888.....	13,275 01
	17,000 00
Salaries—Surveys, Maps, etc., for Street Openings, etc.—	
Appropriation for 1888.....	\$6,300 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Draughtsmen, etc.....	\$1,545 97
Balance on hand, March 31, 1888.....	4,754 03
	6,300 00
Boring Examinations for Grading and Sewer Contracts—	
Appropriation for 1888.....	\$4,000 00
Vouchers transmitted to the Commissioner of Public Works—	
Pay-rolls of Axemen, etc.....	\$871 50
Materials.....	183 86
Balance on hand, March 31, 1888.....	2,944 64
	4,000 00
Restoring and Repaving—Special Fund—	
Amount received for 203 permits for street openings.....	\$2,360 00
Vouchers transmitted to the Commissioner of Public Works.....	\$59,508 43
Street Improvement Fund—	
Pay-rolls of Engineers, etc.....	\$14,718 56
On contracts for sewers, etc.....	44,615 02
	\$59,333 58
Contingencies—Department of Public Works—1887 Account—	
Transportation expenses.....	174 85
	59,508 43
Work done by Laborers and Mechanics—	
587 receiving-basins and culverts cleaned.	
23,166 lineal feet of sewer cleaned.	
123 lineal feet of sewer rebuilt.	
941 lineal feet of sewer repaired.	
72 lineal feet of culvert rebuilt.	
1 receiving-basin rebuilt.	
36 receiving-basins repaired.	
2 basin-heads reset.	
17 new basin covers put on.	
35 manholes repaired.	
33 new manhole heads and covers put on.	
6 manhole-heads reset.	
44 new manhole covers put on.	
42 lineal feet of spur-pipe laid.	
4 lineal feet of new curb set.	
10 lineal feet of curb reset.	
20 square feet of new flagging laid.	
57 square feet of flagging relaid.	

Work done by Laborers and Mechanics—

191 square yards of pavement relaid.
1,411 basins and culverts relieved.
355 cubic yards of earth excavated and refilled.
14 cart-loads of earth filled in.
2,194 cart-loads of dirt removed.

Work done by contract—

3,244 lineal feet of sewer built.
Making the present total length of sewerage in the city 2,228,798 lineal feet (422 $\frac{1}{10}$ miles), with 5,112 receiving-basins.

Document "G."

REPORT OF THE SUPERINTENDENT OF STREET IMPROVEMENTS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREET IMPROVEMENTS, ROOM 5, No. 31 CHAMBERS STREET,
NEW YORK, March 31, 1888.

Gen. JOHN NEWTON, *Commissioner of Public Works*:

SIR—In accordance with your instructions I have the honor to submit herewith my report of the transactions of the Bureau of Street Improvements for the quarter ending March 31, 1888.

Respectfully,

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

STATEMENT OF THE AMOUNT OF WORK DONE DURING THE QUARTER ENDING MARCH 31, 1887.

Earth excavated.....	cubic yards.	1,385
Rock excavated.....	"	32,405
Filling furnished.....	"	48,053
Curb-stones set.....	linear feet.	1,937 $\frac{3}{10}$
" reset.....	"	1,012 $\frac{9}{10}$
Flagging laid.....	square feet.	15,530
" relaid.....	"	7,550
Drain-pipe laid.....	linear feet.	450
Picket fence.....	"	716
Retaining-wall.....	cubic yards.	650 $\frac{3}{10}$
Cut-stone masonry.....	"	2
Concrete.....	"	$\frac{4}{10}$
Pavement laid.....	square yards.	160
" relaid.....	"	3,415
Bridge-stones laid.....	"	411
" relaid.....	"	1,210
Iron railing furnished.....	linear feet.	146 $\frac{4}{10}$
Dry-stone box-culvert.....	"	117
Maple trees planted.....	"	117

WORK DONE ON ACCOUNT OF THE CITY.

Monument stone reset at One Hundred and Fifty-ninth street and Edgecomb avenue..... 1

AMOUNT OF VOUCHERS DRAWN.

On account of—	
Local Improvement Fund.....	\$4,350 00
Street Improvement Fund.....	61,000 13
Street Improvements—For Surveying, Monumenting, etc.....	280 00
Street Improvements—For Surveying, Monumenting, etc., 1887.....	20 00
Contingencies of Department of Public Works.....	270 00
Total.....	\$66,529 13

WORKS COMPLETED.

Tree-planting—	
West End avenue, Seventy-second to One Hundred and Seventh street.....	\$21,649 39
Retaining-wall—	
Forty-third street, First avenue to Prospect place.....	11,166 62
Regulating and Grading, etc.—	
Ninety-first street, Tenth avenue to Riverside Drive.....	\$13,634 04
One Hundred and Nineteenth street, Eighth to Ninth avenue.....	3,264 91
Regulating, Grading, Paving, etc.—	
Gansevoort street, Washington to Thirteenth street, etc.....	12,447 23
Flagging—	
West side Second avenue, One Hundred and Twenty-eighth to One Hundred and Twenty-ninth street, etc.....	\$236 87
West side Third avenue, One Hundred and Seventh to One Hundred and Eighth street.....	121 48
Northwest corner Fifty-seventh street and First avenue.....	1,037 00
	1,395 35
Fencing Vacant Lots—	
No. 1417 Avenue A.....	\$17 62
West side Lexington avenue, Ninety-fifth to Ninety-sixth street, etc.....	321 38
Northwest corner Lexington avenue and One Hundred and Ninth street.....	85 69
	424 69
Total.....	\$63,982 23

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting and Numbering of Streets, 1888.....	\$3,000 00
Amount of vouchers drawn during the quarter.....	\$280 00
Outstanding liabilities (estimated).....	924 00
Balance (estimated).....	1,796 00
	3,000 00
Flagging Sidewalks and Fencing Vacant Lots in Front of City Property, etc., 1888.....	\$14,000 00
No vouchers drawn during the quarter.....	
Contingencies of Department of Public Works—	
Amount of vouchers drawn.....	\$270 00
Street Improvements—For Surveying, Monumenting and Numbering of Streets, 1887.....	\$3,000 00
Amount of vouchers drawn during 1887.....	\$1,965 50
Amount of vouchers drawn during first quarter, 1888.....	20 00
Outstanding liabilities (estimated).....	920 00
Balance (estimated).....	94 50
	3,000 00

Statement showing Works under Contract in Bureau of Street Improvements on the 31st day of March, 1888.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<i>Regulating, Grading, Curb, Flagging, Retaining Walls, etc.</i>									
<i>Local Improvement Fund—</i>									
Fort Washington Ridge road.....	Allen & O'Maley.....	J. McI. Smith.....	James R. Mount.....	400 days.	\$130,161 70	\$150,614 00	\$45,184 20	\$105,429 80	
<i>Street Improvement Fund—</i>									
Kingsbridge road, One Hundred and Ninetieth street to Harlem river.....	B. F. Coleman.....	J. McI. Smith.....	William J. Girvan.....	300 "	204,690 00	15,675 00	4,702 50	10,972 50	
Edgewood avenue, One Hundred and Forty-fifth street to St. Nicholas place.....	John F. Dawson.....	J. McI. Smith.....	Leander Buck.....	300 "	87,826 06	54,715 00	16,414 50	38,300 50	
First new avenue, One Hundred and Forty-second to One Hundred and Forty-fifth street.....	Bernard Mahon.....	Robert L. Waters.....	.....	275 "	17,414 96	10,614 00	3,184 20	7,429 80	Work suspended.
First new avenue, One Hundred and Forty-fifth to One Hundred and Fifty-fifth street.....	William J. Kelly.....	J. McI. Smith.....	Charles Myers.....	500 "	55,120 00	28,200 00	8,460 00	19,740 00	
Manhattan avenue, One Hundred and Thirtieth to One Hundred and Sixteenth street.....	Andrew Low.....	Robert L. Waters.....	.....	30 "	2,196 46	.....	.....	.....	Work not yet commenced.
Hamilton place, Boulevard to Tenth avenue.....	John J. Rogers.....	Richard Amerman.....	Alfred A. Blackman.....	100 "	16,737 95	12,208 00	3,662 40	8,545 60	
Forty-ninth street, First avenue to Beekman place.....	John J. Rogers.....	James R. Wardlaw.....	Patrick Kelly.....	50 "	13,774 10	1,503 90	451 17	1,052 73	
Sixty-third street, Tenth to Eleventh avenue.....	James Slattery.....	Frank E. Towle.....	Isaac Smith.....	200 "	22,846 55	13,485 00	4,645 50	10,839 30	
Ninety-first street, Ninth to Tenth avenue.....	John W. Phelan.....	Richard Amerman.....	Wm. J. Delahanty.....	400 "	19,659 00	2,380 00	714 00	1,666 00	
Ninety-seventh street, Boulevard to Riverside Drive.....	Thomas Murray.....	Robert L. Waters.....	.....	14 "	4,195 88	.....	.....	.....	Work not yet commenced.
One Hundred and Second street, Ninth avenue to Riverside Drive.....	J. H. Sullivan.....	J. McI. Smith.....	Nathan Frank.....	365 "	28,127 55	18,825 00	5,647 50	13,177 50	
One Hundred and Seventh street, Eighth to Ninth avenue.....	Thomas E. Crimmins.....	Robert J. Dodge.....	John Lawrence.....	350 "	10,753 00	6,270 00	1,881 00	4,389 00	
One Hundred and Eighth street, Eighth to Manhattan avenue.....	John Cox & Co.....	M. A. Lacy.....	Bernard Martin.....	300 "	6,155 60	3,900 00	1,170 00	2,730 00	
One Hundred and Fourteenth street, Eighth to Ninth avenue.....	James Slattery.....	Richard Amerman.....	Mark Neary.....	170 "	5,005 63	2,645 00	793 50	1,851 50	
One Hundred and Fifteenth street, Eighth to Ninth avenue.....	Daniel R. Collins.....	M. A. Lacy.....	Morgan L. Ogden.....	90 "	5,114 76	2,232 00	669 60	1,562 40	
One Hundred and Eighteenth street, Eighth to Ninth avenue.....	John J. Hopper.....	Robert L. Waters.....	Patrick Mooney.....	90 "	3,869 04	.....	.....	.....
One Hundred and Thirty-eighth street, Tenth avenue to Boulevard.....	Bernard Mahon.....	J. McI. Smith.....	Frederick G. Fay.....	125 "	13,475 33	6,143 60	1,843 08	4,300 52	
One Hundred and Forty-eighth street, Seventh to Eighth avenue.....	William Kelly.....	J. McI. Smith.....	Patrick C. McGuire.....	125 "	9,874 68	6,151 00	1,843 30	4,305 70	
One Hundred and Fiftieth street, St. Nicholas to Edgewood avenue.....	John F. Dawson.....	Robert J. Dodge.....	.....	60 "	3,289 00	.....	.....	.....	Work suspended.
One Hundred and Fiftieth street, Tenth to St. Nicholas avenue.....	Andrew Low.....	Frank E. Towle.....	.....	19 "	2,184 30	.....	.....	.....	Work not yet commenced.
One Hundred and Fifty-ninth street, St. Nicholas avenue to Edgewood road.....	M. Fortunato.....	James R. Wardlaw.....	.....	60 "	2,268 12	.....	.....	.....	Work suspended.
One Hundred and Sixty-first street, Tenth to Eleventh avenue.....	Michael Fay.....	Frank E. Towle.....	Theophilus Pratt.....	159 "	9,217 50	5,235 50	1,576 65	3,678 85	
<i>Special Contracts.</i>									
<i>Regulating, Grading, Curb and Flagging—</i>									
Eighty-sixth street, Ninth avenue to Riverside Drive.....	John G. Smith.....	Robert L. Waters.....	.....	10 "	981 54	.....	.....	.....	Work not yet commenced.
One Hundred and Sixty-first street, St. Nicholas to Tenth avenue.....	Patrick Larney.....	Robert L. Waters.....	Benjamin V. Fraser.....	30 "	620 64	.....	.....	.....
West side Madison avenue, One Hundred and Twenty-seventh to One Hundred and Twenty-eighth street, etc.....	Bernard Mahon.....	Frank E. Towle.....	D. Simmons.....	4 "	619 40	.....	.....	.....
<i>Fencing Vacant Lots—</i>									
Northeast corner Seventh avenue and One Hundred and Twenty-third street.....	Bernard A. Roth.....	Frank E. Towle.....	Edward Gobel.....	10 "	113 00	.....	.....	.....
Ninety-sixth street, Eighth to Ninth avenue.....	Bernard A. Roth.....	M. A. Lacy.....	Edward Gobel.....	10 "	614 00	.....	.....	.....
Seventy-eighth and Seventy-ninth streets, Ninth to Tenth avenue.....	Bernard A. Roth.....	Frank E. Towle.....	Edward Gobel.....	10 "	75 00	.....	.....	.....
Ninety-third and Ninety-fourth streets, Eighth to Ninth avenue.....	Bernard A. Roth.....	Robert L. Waters.....	Edward Gobel.....	30 "	717 50	.....	.....	.....
One Hundred and Sixth and One Hundred and Seventh streets, Manhattan to Ninth avenue.....	Bernard A. Roth.....	Robert J. Dodge.....	Edward Gobel.....	10 "	562 50	.....	.....	.....
One Hundred and Sixth and One Hundred and Seventh streets, Boulevard to Tenth avenue.....	Bernard A. Roth.....	Frank E. Towle.....	Edward Gobel.....	10 "	525 00	.....	.....	.....
One Hundred and Thirtieth and One Hundred and Fourteenth streets, Madison to Fifth avenue.....	Bernard A. Roth.....	Frank E. Towle.....	Edward Gobel.....	10 "	396 00	.....	.....	.....
Total.....					\$678,541 55	\$342,817 00	\$102,845 10	\$230,971 90	

Document "H."

REPORT OF THE SUPERINTENDENT OF STREETS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, NO. 31 CHAMBERS STREET,
NEW YORK, April, 1888.

Gen. JOHN NEWTON, Commissioner of Public Works:

SIR—In compliance with your instructions I herewith submit the following report of work done and material used; also, the amount expended from the various appropriations under the charge of this Bureau for the quarter ending March 31, 1888, the expenses of which were defrayed from the appropriations for "Boulevards, Roads and Avenues, Maintenance of," and "Roads, Streets and Avenues Unpaved, Maintenance of, and Sprinkling."

Respectfully,

GEORGE E. BABCOCK, Superintendent of Streets.

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

Boulevard, Maintenance, for 1887..... \$100,000 00
Amount transmitted during the year 1887..... 94,668 65

Balance, January 1, 1888..... \$5,331 35
Amount transmitted during the first quarter of 1888 from the appropriation of 1887..... 5,080 50

Balance, April 1, 1888..... \$250 79

Amount appropriated for the year 1888..... \$100,000 00

Amount transmitted during the first quarter of 1888 is as follows:

Pay-roll, January 15, 1888..... \$1,425 25
" " 31, "..... 1,782 50
" February 15, "..... 1,594 05
" " 29, "..... 1,381 50
" March 15, "..... 1,635 37
Boulevard, Maintenance—Salaries, 1888..... 749 07
Use of horse..... 180 00
Lumber..... 133 14
Pulley-blocks..... 27 70
Paints, etc..... 21 57
Stable buckets..... 16 50

Balance, April 1, 1888..... \$91,052 39

Roads, Streets and Avenues Unpaved, Maintenance of, 1887..... \$25,000 00
Amount transmitted during the year 1887..... 23,593 28

Balance, January 1, 1888..... \$1,406 72
Amount transmitted during the first quarter of 1888 from the appropriation of 1887..... 1,313 70

Balance, April 1, 1888..... \$93 02

Amount appropriated for 1888..... \$25,000 00

Amount transmitted during the first quarter of 1888 is as follows:

Pay-roll, January 15, 1888..... \$308 50
" " 31, "..... 531 25
" February 15, "..... 503 00
" " 29, "..... 452 00
" March 15, "..... 517 00
Road roller..... 147 80

Balance, April 1, 1888..... \$22,399 45

The following is the amount received during the quarter ending March 31, 1888, for the use of sprinkling wagon and deposit to the credit of the General Fund..... \$36 00

The following statement shows the amount and class of work done on boulevards, roads and avenues during the quarter ending March 31, 1888:

Roadway and gutters cleaned..... 4,821 square yards.
Gutters cleaned..... 19,784 "
Macadam pavement repaired..... 127 "
Roadway covered with gravel-bank screenings..... 2,695 "
Flagging relaid..... 1,524 square feet.
Bridge-stone reset..... 72 "
Gutters repaved..... 60 "
Curb reset..... 16 lineal feet.
Sidewalk drains opened..... 976 "
Basin drain opened..... 572 "
Basins cleaned..... 373 "
Trees trimmed (Boulevard)..... 487 "

The following material was used in making repairs on macadamized streets:

Broken stone..... 16 truck-loads.
Sand..... 4 "
Gravel-bank screenings..... 17 "
Trap-rock screenings..... 12 "
Telford stone..... 2 "
Gneiss stone..... 8 "

The following material was removed in cleaning the macadamized streets:

Dirt from roadway..... 660 truck-loads.
Stone..... 49 "
Basin dirt..... 579 "

The following repairs were made to sidewalks, dangerous holes, etc.:

St. Nicholas avenue, from One Hundred and Tenth to One Hundred and Fifty-fifth street, 15 places.
Sixth avenue, from One Hundred and Thirty-third to One Hundred and Forty-third street, 9 places.
Seventh avenue, from One Hundred and Twenty-second to One Hundred and Forty-ninth street, 9 places.
Tenth avenue, from One Hundred and Forty-fourth to One Hundred and Eighty-sixth street, 23 places.
Ninth avenue, from One Hundred and Twenty-third to One Hundred and Twenty-sixth street, 17 places.
Boulevard, from Eighty-seventh to Eighty-eighth street, 1 place.
One Hundred and Forty-fifth street, from Boulevard to Tenth avenue, 1 place.

There were used in the above work :

Dirt 119 truck loads.
Stone 3 "

Dangerous places have been repaired in the following unpaved streets with sweepings from the macadamized roadways :

One Hundred and Seventeenth street, between Sixth and Seventh avenues.
Tenth avenue, between One Hundred and Twenty-second and One Hundred and Twenty-fourth streets.

One Hundred and Eleventh street, between Seventh and Eighth avenues.
One Hundred and Twelfth street, between Fifth and Sixth avenues.
Ninety-sixth street, between Tenth avenue and Boulevard.
Ninety-seventh street, between Tenth and Eleventh avenues.

One Hundred and Twenty-fifth street, between Tenth avenue and Boulevard.
Tenth avenue, between One Hundred and Forty-fourth and One Hundred and Forty-seventh streets.

One Hundred and Third street, west of Boulevard.

One Hundredth street, west of Boulevard.

There were used for this purpose 277 loads of dirt.

There are 158 loads of sweepings stored in Ninety-sixth street, near Madison avenue, to be used for grading unpaved streets.

Sixth and Seventh avenues were sprinkled during the quarter. There were used for this purpose 93 barrels or loads, equivalent to 59,945 gallons of water.

The severity of the storm of March 12 made it necessary to clean around a great number of basins and to remove the snow from the adjacent gutters.

The work of putting in complete order the plant of the Bureau, both on macadamized and unpaved streets, has been vigorously prosecuted. 21 sprinkling-carts and 3 horse road-rollers have been thoroughly overhauled and painted. The sidewalks and gutters of the macadamized roads have been cleaned of snow after each storm during the quarter.

The following statement shows the work done on unpaved streets during the quarter ending March 31, 1888 :

Gutters Opened and Roadway Regulated.

Ninety-sixth street, between Eighth and Ninth avenues.

One Hundred and Forty-sixth street, between Seventh and Eighth avenues.

One Hundred and Fiftieth street, between Tenth and St. Nicholas avenues.

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

Dangerous holes repaired on the following streets :

Kingsbridge road, between One Hundred and Eighty-eighth and One Hundred and Ninetieth streets.

Kingsbridge road, at One Hundred and Eighty-sixth street.

Kingsbridge road, at One Hundred and Eighty-seventh street.

Kingsbridge road, between One Hundred and Sixty-fifth and One Hundred and Seventy-first streets.

Kingsbridge road, between One Hundred and Eighty-fourth and One Hundred and Eighty-sixth streets.

Kingsbridge road, between One Hundred and Sixty-sixth and One Hundred and Sixty-seventh streets.

One Hundred and Fifty-first street, between St. Nicholas and Tenth avenues.

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

One Hundred and Fifty-fifth street, between St. Nicholas place and Coogan avenue.

Tenth avenue, between One Hundred and Twenty-second and One Hundred and Twenty-third streets.

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

Ninety-seventh street and Eleventh avenue.

Seventy-fourth street, between Ninth and Tenth avenues.

One Hundred and Sixty-first street and Eleventh avenue.

Tenth avenue and Manhattan street.

Eleventh avenue, between One Hundred and Sixty-sixth and One Hundred and Sixty-seventh streets.

One Hundred and Twelfth street, between Fifth and Sixth avenues.

One Hundred and Forty-first street, between Eighth and St. Nicholas avenues.

St. Nicholas avenue, between One Hundred and Fifty-seventh and One Hundred and Fifty-eighth streets.

One Hundred and Thirty-fifth street, between Sixth and Seventh avenues.

One Hundred and Thirty-third street, west of Tenth avenue.

One Hundred and Forty-third street and Hamilton place.

50 feet of curb reset on Kingsbridge road.

The following material was used in repairs to above-named streets :

Dirt 634 truck-loads.
Stone 88 "

In addition to the above amount 437 truck-loads of stone were obtained free of cost and deposited at One Hundred and Twenty-ninth street and Twelfth avenue, One Hundred and Fifty-eighth street and Eleventh avenue and One Hundred and Eighty-seventh street and Eleventh avenue, and have been or will be broken by employees of the Bureau and used for the purpose of repairing unpaved streets.

Sidewalks and gutters have been opened after each snow-storm on the following streets :

One Hundred and Fifty-fourth street, between Eighth avenue and McComb's Dam road, sidewalks only.

One Hundred and Fifty-fifth street, between St. Nicholas place and Coogan avenue, sidewalks only.

Stairs at One Hundred and Fifty-fifth street and St. Nicholas place.

Sidewalks and Gutters.

Eighth avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets.

McComb's Dam road, between One Hundred and Fiftieth and One Hundred and Fifty-fifth streets.

One Hundred and Thirty-fifth street, from Eighth to Fourth avenue.

Kingsbridge road, from One Hundred and Fifty-fifth to One Hundred and Ninety-fifth street.

One Hundred and Thirty-fourth street, from Sixth to Eighth avenue.

One Hundred and Seventy-fifth street, from Tenth avenue to Kingsbridge road.

One Hundred and Forty-first street, from Eighth to Tenth avenue.

One Hundred and Fifty-fifth street, from Coogan to Eighth avenue.

One Hundred and Thirty-third street, from Sixth to Seventh avenue.

Snow was cleaned from around 58 basins, 48 truck-loads removed.

A double row of rubber stair-treads were placed on stairs at St. Nicholas place and One Hundred and Fifty-fifth street. There has also been erected a new iron hand rail on those stairs.

Document "I."

REPORT OF THE SUPERINTENDENT OF LAMPS AND GAS.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF LAMPS AND GAS, }

ROOM 11, No. 31 CHAMBERS STREET, }

NEW YORK, April 10, 1888.

Gen. JOHN NEWTON, Commissioner of Public Works :

SIR—Herein I submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending March 31, 1888.

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

Exhibit "B" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—For General Lighting," showing an expenditure during the quarter of one hundred and one thousand four hundred and eighty dollars and seventy-two cents (\$101,480.72), with liabilities amounting to fifty-one thousand five hundred and thirty dollars and seventy-five cents (\$51,530.75), leaving an available balance of four hundred and seventy-eight thousand nine hundred and eighty-eight dollars and fifty-three cents (\$478,958.53).

Exhibit "C" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—For Gas for Public Buildings and Offices," showing an expenditure during the quarter of eleven thousand seven hundred and twenty-five dollars and fifty-two cents (\$11,725.52), leaving an available balance of thirty-one thousand two hundred and seventy-four dollars and forty-eight cents (\$31,274.48).

Exhibit "D" shows the amount appropriated for additional electric lighting, against which, so far, no expenditures have been made or liabilities incurred.

Exhibit "E" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—Salaries," showing an expenditure during the quarter of sixteen hundred and twenty-four dollars and ninety-five cents (\$1,624.95), leaving an available balance of forty-eight hundred and seventy-five dollars and five cents (\$4,875.05).

Exhibit "F" is a summary of the "Lamp Account," showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric light company during the

quarter; a total of fourteen new gas-lamps and fifty-four new electric-lamps having been fitted up and lighted, twenty-five gas-lamps and seven electric-lamps relighted and three hundred and twenty-eight gas-lamps discontinued, of which three hundred and two were discontinued on account of electric lights. The net decrease of public lamps during the quarter was two hundred and twenty-eight.

Exhibit "G" is a statement showing the lowest, highest and average illuminating power of the gases supplied to the city by the several gas companies within reach of our photometrical stations.

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

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	SULPHURET HYDROGEN.
Consolidated Gas Co.—			
Branch 1.....	4.20	0.22	None.
Branch 2.....	19.15	9.60	"
Branch 3.....	4.87	0.29	"
Branch 4.....	23.02	4.32	"
Branch 6.....	10.82	0.97	"
New York Mutual Gas-light Co.....	7.83	0.29	Traces.
Equitable Gas-light Co.....	9.39	0.13	None.

The following shows the specific gravity of the gases :

Consolidated Gas Co.—	
Branch 1, specific gravity.....	.623
Branch 2, ".....	.431
Branch 3, ".....	.635
Branch 4, ".....	.509
Branch 6, ".....	.522
New York Mutual Gas-light Co., specific gravity.....	.694
Equitable Gas-light Co.....	.682

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

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
Consolidated Gas Co.—	Inches.	Inches.		Miles.
Branch 1.....	2.16	1.67	Cor. of Grand street and Bowery.	1.50
Branch 2.....	2.62	1.63	" "	1.50
Branch 3.....	2.39	1.35	" "	3.50
Branch 4.....	1.85	0.96	{ Seventy-ninth street, between } { Second and Third avenues. }	3.50
Branch 6.....	2.70	1.14	{ Seventy-ninth street, between } { Second and Third avenues. }	2.50
New York Mutual Gas-light Co.....	3.19	1.88	Cor. of Grand street and Bowery.	1.50
Equitable Gas-light Co.....	2.17	1.32	" "	2.50

Yours, respectfully,
S. MCCORMICK, Superintendent of Lamps and Gas.

EXHIBIT "A."

Statement showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Armories, etc., and for Fitting-up, Maintaining and Lighting the Public Lamps, etc., for the Quarter ending March 31, 1888 :

Washington Market.....	\$1,071 37
Catharine Country Market.....	29 88
Catharine Meat Market.....	27 37
Fulton Meat Market.....	399 24
Fulton Country Market.....	612 01
Essex Market.....	26 50
Centre Market.....	100 00
Clinton Market.....	223 88
Union Market.....	11 24
Tompkins Market.....	193 75
Jefferson Market.....	248 25
First District Police Court.....	382 51
Sec. and District Police Court.....	154 75
Third District Police Court.....	43 50
Fourth District Police Court.....	125 75
Fifth District Police Court.....	29 00
First District Civil Court.....	8 24
Second District Civil Court.....	35 87
Fourth District Civil Court.....	10 75
Fifth District Civil Court.....	62 50
Sixth District Civil Court.....	2 50
Eighth District Civil Court.....	6 00
Ninth District Civil Court.....	19 51
Tenth District Civil Court.....	2 40
Court of Special Sessions.....	55 75
Court-room, Brown-stone Building.....	252 25
New Court-house.....	1,304 12
City Hall.....	458 75
Corporation Counsel's Office.....	46 25
Corporation Attorney's Office.....	71 00
Department of Public Works.....	461 75
Department of Taxes.....	12 13
CITY RECORD Bookbinder.....	5 62
Register's Office.....	133 75
County Jail.....	336 75
Rivington Street Pipe Yard.....	5 01
East Twenty-fourth Street Pipe Yard.....	4 87
Water Purveyor's Repair Shop, Thirtieth street.....	14 88
Water Purveyor's Repair Shop, Eighty-seventh street.....	7 86
Water Purveyor's Repair Shop, One Hundred and Twenty-ninth street.....	19 01
South Gate-house.....	58 99
Engine-house, High Water Service, High Bridge.....	107 88
Engine-house, High Water Service, Ninety-eighth street.....	209 62
Clock-tower, Third District Court house.....	119 75
Photometrical Rooms, Grand street.....	22 75
Photometrical Rooms, Seventy-ninth street.....	6 62
Public Administrator's Office.....	38
Dog Pound, foot of East Sixteenth street.....	3 13
Seventh Regiment Armory.....	1,028 62
Eighth Regiment Armory.....	240 00
Ninth Regiment Armory.....	337 13
Eleventh Regiment Armory.....	97 00
Twelfth Regiment Armory.....	699 75
Twenty-second Regiment Armory.....	909 63
Sixty-ninth Regiment Armory.....	258 75
Seventy-first Regiment Armory.....	409 50
First Battery Armory.....	57 00
Second Battery Armory.....	140 00
Brigade Headquarters.....	4 50

"Gas for Public Buildings and Offices"..... \$11,725 52

Cartages	\$55 00
Gas examinations	379 50
Lighting public markets, etc. (Pay-rolls)	741 00
Cleaning Photometrical Rooms (Pay-rolls)	15 00
New lamp-posts	590 62
New street-lamps	795 00
New boulevard lamps	677 50
Street signs	640 00
Maps	6 00
Photometrical Rooms, Grand street—Rent	150 00
Photometrical Rooms, Seventy-ninth street—Rent	90 00
Fitting-up new lamps	80 00
Resetting and repairing lamp-posts	297 50
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards	226 50
Lighting public lamps	56,510 36
Lighting public lamps, Twenty-third and Twenty-fourth Wards	21,522 13
Lighting electric-lamps	18,209 25
Lighting naphtha-lamps	495 36
“General Lighting”	\$101,480 72
Inspectors of Lamps, etc. (Pay-rolls)	1,624 95
Total	\$104,831 19

RECAPITULATION.

Gas to Public Offices, etc.	\$11,725 52
Supplies to public lamps, etc.	\$4,139 62
Fitting-up new lamps	80 00
Resetting and repairing lamp-posts	297 50
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards	226 50
Lighting public lamps	56,510 36
Lighting public lamps, Twenty-third and Twenty-fourth Wards	21,522 13
Lighting electric-lamps	18,209 25
Lighting naphtha-lamps	495 36
Inspectors of Lamps, etc. (Pay-rolls)	1,624 95
Total	\$104,831 19

EXHIBIT “B.”

Summary of the Appropriation for “Lamps and Gas and Electric Lighting,” for 1888, showing the Amount Expended during the Quarter ending March 31, 1888, and the Amount standing to the Credit of the Appropriation “General Lighting.”

Amount appropriated for “Lamps and Gas and Electric Lighting, 1888—General Lighting”	\$632,000 00
Amount expended during the quarter ending March 31, 1888	101,480 72
Balance against which no vouchers have been drawn	\$530,519 28

LIABILITIES.

Consolidated Gas Co., lighting public lamps, month of March	\$25,600 33
Equitable Gas-light Co., “	2,211 00
N. Y. Mutual Gas-light Co., “	286 54
Central Gas-light Co., “	5,355 37
Northern Gas-light Co., “	4,526 41
Yonkers Gas-light Co., “	1,034 33
N. Y. and N. J. Globe Gas-light Co., “	250 00
United States Illuminating Co., “	5,560 40
Brush Electric Illuminating Co., “	2,890 75
Harlem Lighting Co., “	1,005 02
Mount Morris Electric Light Co., “	223 20
North New York Lighting Co., “	322 40
J. W. Fiske, 300 lamp-irons	325 00
E. P. Gleason Mfg. Co., 3,000 glass street signs	570 00
John Mills, electric-light examinations	400 00
D. Prendergast, 200 metal street signs	320 00
C. Birdsall, cartages	50 00
E. P. Gleason Mfg. Co., tools	10 00
J. L. Mott Iron Works, 75 lamp-posts	590 00
	51,530 75
Balance available March 31, 1888	\$478,988 53

EXHIBIT “C.”

Summary of the Appropriation for “Gas to Public Buildings,” showing the Amount Expended during the Quarter ending March 31, 1888.

Amount of appropriation for “Gas to Public Buildings”	\$43,000 00
Amount of vouchers drawn to March 31, 1888	11,725 52
Balance available March 31, 1888	\$31,274 48

EXHIBIT “D.”

Summary of the Appropriation for “Additional Electric Lighting,” 1888, for the Quarter ending March 31, 1888.

Amount of appropriation for “Additional Electric Lighting”	\$12,000 00
Amount of vouchers drawn to March 31, 1888	.....
Balance available March 31, 1888	\$12,000 00

EXHIBIT “E.”

Summary of the Appropriation for “Lamps and Gas and Electric Lighting—Salaries,” showing the Amount Expended during the Quarter ending March 31, 1888, with the Balance standing to the Credit of the Appropriation.

Amount of appropriation for “Lamps and Gas and Electric Lighting—Salaries”	\$6,500 00
Amount of vouchers drawn to March 31, 1888	1,624 95
Balance available March 31, 1888	\$4,875 05

EXHIBIT “F.”

Summary of the “Lamp Account,” showing the Number of New Lamps Lighted, Old Lamps Relighted and Lamps Discontinued by each Gas and Electric-light Company during the Quarter ending March 31, 1888.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted December 31, 1887	3,851	0	
Number of new lamps lighted during the quarter	11		3,862
Number of old lamps relighted during the quarter	8		
Less lamps discontinued during the quarter	164		172
Less lamps discontinued on account of electric-light			
Number of lamps lighted March 31, 1888			3,690

CONSOLIDATED GAS COMPANY, BRANCH 2.

Number of lamps lighted December 31, 1887	2,450	0	
Number of new lamps lighted during the quarter	2		2,452
Number of old lamps relighted during the quarter	3		
Less lamps discontinued during the quarter	18		21
Less lamps discontinued on account of electric-lights			

Number of lamps lighted March 31, 1888

2,431

CONSOLIDATED GAS COMPANY, BRANCH 3.

Number of lamps lighted December 31, 1887	2,553	2	
Number of new lamps lighted during the quarter	2		2,557
Number of old lamps relighted during the quarter	4		
Less lamps discontinued during the quarter on account of electric-lights			4

Number of lamps lighted March 31, 1888

2,553

CONSOLIDATED GAS COMPANY, BRANCH 4.

Number of lamps lighted December 31, 1887	3,321	6	
Number of new lamps lighted during the quarter	0		3,327
Number of old lamps relighted during the quarter	5		
Less lamps discontinued during the quarter			5

Number of lamps lighted March 31, 1888

3,322

CONSOLIDATED GAS COMPANY, BRANCH 6.

Number of lamps lighted December 31, 1887	5,543	6	
Number of new lamps lighted during the quarter	4		5,553
Number of old lamps relighted during the quarter	99		
Less lamps discontinued during the quarter			103
Less lamps discontinued on account of electric-lights			

Number of lamps lighted March 31, 1888

5,450

Total number of lamps lighted by Consolidated Gas Company, March 31, 1888

17,446

NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	191	0	
Number of new lamps lighted during the quarter	0		191
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter			0

Number of lamps lighted March 31, 1888

191

EQUITABLE GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	2,218	0	
Number of new lamps lighted during the quarter	0		2,218
Number of old lamps relighted during the quarter	7		
Less lamps discontinued during the quarter on account of electric-lights			7

Number of lamps lighted March 31, 1888

2,211

CENTRAL GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	2,291	0	
Number of new lamps lighted during the quarter	6		2,297
Number of old lamps relighted during the quarter	10		
Less lamps discontinued during the quarter			16
Less lamps discontinued on account of electric-lights			

Number of lamps lighted March 31, 1888

2,281

NORTHERN GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	1,873	0	
Number of new lamps lighted during the quarter	0		1,873
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter			0

Number of lamps lighted March 31, 1888

1,873

YONKERS GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	428	0	
Number of new lamps lighted during the quarter	0		428
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter			0

Number of lamps lighted March 31, 1888

428

Total number of gas-lamps lighted March 31, 1888

24,430

NAPHTHA-LAMPS.

NEW YORK AND NEW JERSEY GLOBE GAS-LIGHT COMPANY.

Number of lamps lighted December 31, 1887	120	0	
Number of new lamps lighted during the quarter	0		120
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter			0

Number of lamps lighted March 31, 1888

120

Total number of naphtha-lamps lighted March 31, 1888

120

ELECTRIC-LAMPS.

BRUSH ELECTRIC ILLUMINATING COMPANY.

Number of lamps lighted December 31, 1887	354	13	
Number of new lamps lighted during the quarter	0		367
Number of old lamps relighted during the quarter	0		
Less lamps discontinued during the quarter			0

Number of lamps lighted March 31, 1888

367

UNITED STATES ILLUMINATING COMPANY.			NORTH NEW YORK LIGHTING COMPANY.		
Number of lamps lighted December 31, 1887.....	363		Number of lamps lighted December 31, 1887.....	26	
Number of new lamps lighted during the quarter.....	11		Number of new lamps lighted during the quarter.....	0	
Number of old lamps relighted during the quarter.....	0		Number of old lamps relighted during the quarter.....	0	
Less lamps discontinued during the quarter.....		374	Less lamps discontinued during the quarter.....		26
Number of lamps lighted March 31, 1888.....		374	Number of lamps lighted March 31, 1888.....		26
			Total number of electric-lamps lighted March 31, 1888.....		889
HARLEM LIGHTING COMPANY.			RECAPITULATION FOR QUARTER.		
Number of lamps lighted December 31, 1887.....	85		Number of gas-lamps lighted December 31, 1887.....	24,719	
Number of new lamps lighted during the quarter.....	12		Number of naphtha-lamps lighted December 31, 1887.....	120	
Number of old lamps relighted during the quarter.....	7		Number of electric-lamps lighted December 31, 1887.....	828	
Less lamps discontinued during the quarter.....		104	Number of new gas-lamps lighted during the quarter.....	14	25,667
Number of lamps lighted March 31, 1888.....		104	Number of new naphtha-lamps lighted during the quarter.....	0	
			Number of new electric-lamps lighted during the quarter.....	54	68
			Number of gas-lamps relighted during the quarter.....	25	
			Number of naphtha-lamps relighted during the quarter.....	0	
			Number of electric-lamps relighted during the quarter.....	7	32
			Less gas-lamps discontinued during the quarter.....	26	25,767
			Less naphtha-lamps discontinued during the quarter.....	302	
			Less electric-lamps discontinued during the quarter.....	0	328
			Total number of lamps lighted March 31, 1888.....		25,439

EXHIBIT "G."

Statement giving the Illuminating Power in Candles of the Gas supplied to the City by the several Gas-light Companies during the Quarter ending March 31, 1888, as shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.	CONSOLIDATED GAS CO., BRANCH 1.			CONSOLIDATED GAS CO., BRANCH 2.			CONSOLIDATED GAS CO., BRANCH 3.			CONSOLIDATED GAS CO., BRANCH 4.			CONSOLIDATED GAS CO., BRANCH 5.			N. Y. MUTUAL GAS-LIGHT CO.			EQUITABLE GAS-LIGHT CO.		
	ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.		
Week Ending—	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
Jan. 7, 1888.....	22.23	25.14	24.18	18.36	18.75	18.55	26.31	29.40	28.76	20.25	21.36	20.68	23.83	25.35	24.50	30.53	31.59	30.89	28.45	31.92	29.82
" 14, ".....	22.58	23.85	23.30	17.82	19.29	18.62	27.59	29.01	28.36	19.52	21.36	20.42	23.50	26.12	24.96	29.18	31.73	30.76	30.03	32.75	31.50
" 21, ".....	22.50	23.87	23.24	18.59	19.75	19.35	27.38	29.40	28.31	20.44	21.59	21.04	21.93	25.75	23.33	30.60	32.53	31.44	30.22	32.82	31.49
" 28, ".....	23.00	23.82	23.51	18.82	19.85	19.40	27.52	28.85	28.27	19.87	21.09	20.48	21.48	23.18	22.38	29.78	32.54	31.11	30.11	32.17	31.37
Feb. 4, ".....	20.21	23.20	22.36	19.14	20.51	19.71	26.11	28.82	27.70	19.91	21.42	20.76	21.08	23.92	23.01	29.44	32.08	30.37	31.86	32.92	32.65
" 11, ".....	21.48	24.65	23.80	18.28	19.65	18.98	25.47	29.19	27.80	20.38	21.73	20.83	20.14	23.47	21.47	28.28	29.54	28.93	28.54	31.82	30.46
" 18, ".....	21.25	22.79	21.97	19.40	20.03	19.81	26.75	28.24	27.61	19.68	20.02	19.83	20.47	25.83	22.66	29.06	31.03	29.95	29.64	31.73	30.89
" 25, ".....	23.24	25.53	24.57	18.87	19.80	19.34	26.98	28.75	27.92	19.27	20.72	19.78	20.71	26.14	22.96	28.58	31.52	30.47	28.90	31.23	29.55
Mar. 3, ".....	23.04	26.56	24.53	19.17	19.95	19.57	27.09	28.88	28.21	20.40	21.67	20.95	21.36	24.45	22.38	28.25	30.46	29.75	28.01	29.82	28.91
" 10, ".....	24.00	25.59	25.05	19.19	19.92	19.67	27.53	28.24	27.78	19.70	21.65	20.61	21.58	23.30	22.47	28.48	31.32	29.68	29.59	31.12	30.14
" 17, ".....	24.36	26.16	25.25	18.57	20.15	19.53	25.56	28.78	27.51	19.30	20.70	19.89	20.52	21.73	21.34	29.70	30.52	30.16	26.50	28.64	27.88
" 24, ".....	23.70	25.09	24.09	18.70	20.08	19.26	26.49	28.37	27.72	19.86	22.42	21.11	21.60	23.60	22.20	28.60	31.02	29.90	29.70	30.04	29.33
" 31, ".....	24.99	25.82	25.34	19.15	19.91	19.60	28.19	30.12	28.76	20.66	23.81	22.03	22.12	23.70	22.79	29.62	30.67	30.23	28.55	30.93	29.98
For the Quarter.....	20.91	26.56	23.85	17.82	20.51	19.33	25.47	30.12	28.06	19.27	23.84	20.61	20.14	26.14	22.81	28.25	32.54	30.28	26.50	32.92	30.30
Distance from gas-works.....	1 ⁵ / ₁₀₀ Miles.....			1 ⁵ / ₁₀₀ Miles.....			3 ¹ / ₁₀₀ Miles.....			3 ¹ / ₁₀₀ Miles.....			1 ⁵ / ₁₀₀ Miles.....			1 ⁵ / ₁₀₀ Miles.....			2 ⁷ / ₁₀₀ Miles.....		
Testing burner.....	Bray's Slit Union No. 7....			Empire, 5 feet.....			Bray's Slit Union No. 7....			Bray's Slit Union No. 6....			Bray's Slit Union No. 6....			Bray's Slit Union No. 7....			Bray's Slit Union No. 7....		

Document "K."

REPORT OF THE SUPERINTENDENT OF REPAIRS AND SUPPLIES.

CITY OF NEW YORK—DEPARTMENT OF PUBLIC WORKS,
BUREAU OF REPAIRS AND SUPPLIES,
SUPERINTENDENT'S OFFICE, No. 31 CHAMBERS STREET, ROOM 15,
NEW YORK, April 2, 1888.

Gen. JOHN NEWTON, Commissioner of Public Works:

SIR—In compliance with your instructions I have the honor to submit the following report of the transactions of this Bureau for the three months ending March 31, 1888.

Among the principal items of work were the following:

THE NEW COURT-HOUSE.

The Surrogate's Office—In room No. 1 glass paneled partitions have been put up to enclose offices for the Surrogate and the Chief Clerk and his assistants. The walls and ceilings washed off, plastering repaired, ceilings calcimined, walls, wood-work and trim painted in parti-color, and the Surrogate's room painted, grained and varnished, the radiators rebrowned, new iron-wire railing put up, new carpets and linoleum laid, and desk rugs and door-mats furnished, and a new black walnut marble-top wash-basin was put up in the Surrogate's private room.

The walls, ceilings and wood-work in the Guardian room, Accounting room, Recording room and the ante-room, and closets adjoining, have been washed off, plastering repaired, ceilings calcimined, walls painted, a neat border put up on top of the same, the radiators rebrowned, and the hard wood varnished. The gas-fitting and plumbing repaired, and the location of the safes changed, and safes securely anchored in their new positions.

Supreme Court—A new iron-wire railing has been put up in the Document room of the General Term, to enclose a space for the Clerk, and two cylinder desks furnished.

Court of Common Pleas—The platform for the jury-box has been extended, the railing altered and repaired and a new carpet laid in the General Term room, and some law books furnished.

County Clerk's Office—The desk in the Recording Clerk's room has been altered and extended, and a wire railing with cash-hole put up, and new top put on desk. The directory boards in the main hall have been taken down, corrected and relettered to correspond with the present location of the various courts and offices. Rubber treads have been placed on the steps leading to the main entrance on Chambers street. The iron gratings over the boiler-room repaired, and new galvanized-iron casing put around steam coils, where needed, and repairs made to the plumbing and steam-fitting.

CITY HALL.

The old sewer in the basement corridor has been cleaned and disinfected, and a contract entered into for the complete remodeling of the plumbing and drainage of the building, and the work is now in progress.

In the room and passageway adjoining the office of the Mayor's Marshal the old floor has been taken up and a new yellow pine floor, with chestnut sleepers, put in.

New gas-burners have been put up in Parts I., II. and III., City Court, and a new railing and platform put up in room No. 21.

Board of Aldermen's Room—Silver-plated name plates have been put on the closets of the new members of the Board.

Board of Assessors—A new cylinder desk has been furnished for use of the Board.

THE BROWN-STONE BUILDING.

District Attorney's Office—The ceiling has been repaired and calcimined, the walls papered, furniture repaired, floors carpeted, rugs furnished, new window-shades hung, and new steam radiators and pipes put in for the heating of the office.

In the Library the walls and ceilings have been repaired, calcimined and painted and hard wood varnished, a new carpet laid, rugs furnished, window-shades hung, and steam radiator put in, and a clock furnished.

On the first floor the old partitions have been taken down, and three new rooms fitted up for use of the Assistant District Attorneys, with paneled partitions, the walls and ceilings repaired, calcimined and painted, and partitions painted in parti-color, the rooms carpeted, rugs and mats furnished, steam radiators put in, and the gas-fittings repaired and altered.

In the Reception and ante-rooms the walls, ceilings and wood-work have been repaired, calcimined and painted, and new carpets and linoleum laid, and rugs and mats supplied.

A new door has been cut out to communicate with the hall on the third floor, and new jambs set, and a paneled door, painted and grained, hung for the use of the Assistant District Attorneys.

In the Clerk's office in the basement a partition has been put up to enclose a room for the Clerk. New closets, pigeon-holes, and book-racks put up. A standing desk, about 34 feet long, with paneled front and iron-wire guard with cash-holes put up, an iron-wire ash top railing put up, a telephone closet built, the room calcimined, painted and grained, a new safe furnished, linoleum laid in Clerk's room, window-shades hung, and the old safe and furniture removed from the office on the second floor to the new office.

Court of General Sessions—New Turcoman curtains have been put up on the windows of the Judge's rooms, carpet and linoleum laid, new rugs and mats furnished, 4 new cylinder desks with rotary desk chairs, 4 cases of Tucker files, 4 silver-plated water pitchers with black walnut stands, and 1 large stove put up.

A new hygienic water-closet, with urinal and lavatory, has been put up in the toilet-room, and a new mirror supplied.

New eight-day clocks have been put up in the Clerk's office and in Part III.
New signs have been painted and directory boards put up.
The elevator—The main and hand ropes have been repaired and a new float put in the tank.
The furnaces have been cleaned and repaired and smoke-pipe furnished where needed, and covers placed on the ventilating pipes in the basement.
The hand-rail on the front stoop has been repaired and a new capping placed on the same.

HALL OF RECORDS.

A new yellow pine floor has been laid in the northeast corner room, and clothes-closets, pigeon-holes and book-racks put up.

In the Mortgage room 2 cases of book-racks have been put up and the old racks removed, the furnaces have been repaired, flues cleaned, and new galvanized-iron chimney-tops put up, and a soapstone border placed around one of the hot-air registers, and 8 new standing desks furnished.

NO. 31 CHAMBERS STREET.

In room No. 10 the plastering has been repaired, the ceiling calcimined, walls painted, iron railings painted and bronzed and partitions and closets painted in parti-color.

An iron wire railing, has been put up in room No. 12.

A new connection has been made with the gas-main on Reade street, and new service-pipes run through the building, so that an additional supply of gas has been secured.

A cylinder desk has been furnished to the Water Purveyor's office, a case of Tucker's files to the Bureau of Incumbrances, chairs to the office of the Engineer in Charge of Sewers, and a library table to the Bureau of Streets and Roads.

STEWART BUILDING.

A paneled ash vestibule, with storm-doors, has been put up on the Reade street entrance to the office of the Receiver of Taxes.

An iron-wire railing put up in the Auditing Bureau of Finance Department.

A new safe furnished the City Paymaster.

Two new cylinder desks and a rotary desk chair supplied for Comptroller's office.

Two black walnut cases of pigeon-holes to the Receiver of Taxes' office, and a black walnut case of pigeon-holes, 27 feet long and 10 feet high, furnished for use of the Commissioner of Jurors.

STAATS ZEITUNG BUILDING.

Corporation Counsel's Office—In rooms Nos. 2 and 3, fourth floor, black walnut cases of pigeon-holes and shelving have been put up. In room No. 2, third floor, two clothes-closets and shelving have been put in; additional shelving has been placed in the library; new signs furnished, and the bulletin-board altered and relettered. A black walnut table, six new desks, a wardrobe, two rotary book-racks have been supplied and linoleum and matting laid in some of the rooms.

THE POLICE AND CIVIL COURTS.

Second District Civil Court—A new black walnut wardrobe has been furnished.

Third District Court-house—The stone-work of the stairway and corridors has been cleaned off, the stone-work on the tower, beneath the balcony, pointed up, the roof and bell-deck in the tower repaired and the gutters relined with IX tin and rosin sized paper, and the new tin painted two coats of metallic paint.

In the court-room the position of the front row of benches has been changed, a platform for witness chair built, the Judge's desk altered, several boxes for documents furnished, a railing placed around the jury platform and the location of the front railing in the auditorium altered. New carpets and linoleum laid in the Judge's and Clerk's rooms, and mats and desk rugs furnished, the furniture repaired and a rotary chair for Judge and table for Stenographer supplied.

Fourth District Civil Court—A new black walnut desk has been furnished for use of the Clerk of the Court.

Fifth District Civil Court—The old tin roof has been stripped off and a new roof of IX tin, underlaid with rosin sized felt-paper, put on and painted two coats of metallic paint, and the blue-stone coping reset in cement. A new desk, carpets, linoleum, door-mats, desk-rugs and law books have been furnished.

Seventh District Court-house—The walls, ceilings and wood-work in the Judge's private room, Clerk's office and the toilet room adjoining have been washed off, plastering repaired, ceilings calcimined, walls painted and the radiators and iron railings painted and bronzed, carpets and linoleum laid, mats and rugs and rotary arm-chairs furnished.

Eighth District Civil Court—The platform of the Judge's bench has been altered and extended; an iron railing put up on the same; new carpets laid in the Judge's room and on the bench. A new crimson rep curtain hung behind the Judge's chair and a black walnut wardrobe and a case of pigeon-holes, 10 feet long and 8 feet high, put up and law books furnished.

Tenth District Civil Court—New carpets and linoleum have been laid in the court-room and the Clerk's office, and the library and Judge's room, and desk rugs and door-mats furnished. Rotary and oak bent chairs have been furnished for use of the Clerk's office. Two eight-day clocks put up, window-shades hung on the court-room and office windows, a closet for use of the Janitor built and the old furniture repaired.

Eleventh District Civil Court—Law books have been furnished.

Second District Police Court—A new desk chair supplied.

Third District Police Court—Galvanized-iron pipes and chimney-caps have been put up on the furnace and kitchen flues; some oak bent dining chairs furnished.

COUNTY JAIL.

The kitchen range has been repaired and the plumbing and gas-fitting put in order.

THE MARKETS.

Clinton Market—The gravel roof on the Canal street side of the market has been stripped off and a new roof of IX tin with rosin sized paper put on. The centre gravel roof has been repaired, and the shingle roof on Washington street side put in order. The wooden awning on Washington street has been straightened and new posts put in and the work painted. The old gas-pipes have been taken out and new supply-pipes and fixtures put in.

Centre Market—The wooden shed on Centre Market place has been taken down, the doors and windows repaired, the old gas-pipe taken out and new pipe and fixtures put in.

Catharine Market—Extensive repairs have been made to the flooring in both buildings, the old flooring and damaged timbers removed and new beams and girders put in, and a floor of yellow pine, tongued and grooved plank 2 inches thick laid, the old gas-pipe has been taken out and new pipe and fixtures put in.

Fulton Market—The roof has been repaired, the valleys on both sides of centre building relined with IX tin, new ventilators put up and the roof painted with metallic paint.

Union Market—The outside doors have been repaired and painted and new bolts and hinges put on.

Jefferson Market—The gas-fixtures have been lowered, cleaned and repaired, and the sewer-pipe in the centre of the market cleared and necessary repairs made to the same.

THE ARMORIES.

The Second Battery—In the new quarters leased by the City for the use of this command, extensive repairs and alterations will have to be made in order to fit it up so as to meet the requirements of the Battery. This work is being pushed forward as rapidly as possible. As the building was not piped for gas, new pipes have been put up with the necessary fixtures, including 18 four-light chandeliers in the main drill-room.

Partitions enclosing rooms for use of the Armorer have been put up, a new cooking range and boiler put in, chimney tops put on the chimney flues. Wire window guards placed on the windows, saddle and harness racks put up, and the windows on the first floor on the Broadway side taken out and the openings built up. Orders for the completion of the carpenter and plumbing work have been issued and the work is now progressing. 100 camp-stools have been furnished.

Eighth Regiment Armory—The walls, ceilings and wood-work have been washed off, plastering repaired, ceilings calcimined, walls painted and grained, work touched up and varnished, and 60 camp-stools furnished.

Ninth Regiment Armory—New water pans have been placed under the boilers and iron plates in front of the stove holes, and the location of the smoke-pipe altered.

Eleventh Regiment Armory—The roof has been repaired and painted and new chimney tops put up, and the leaders put in good order, 100 camp-stools have been supplied.

Twelfth Regiment Armory—A ventilating apparatus for removing the smoke and gases from the rifle range has been put up. The roof and gutters repaired and the brick-work in the gutters pointed up with Portland cement.

Sixty-ninth Regiment—Some repairs have been made to the plumbing, steam and gas fitting, and 100 camp-stools supplied.

Seventy-first Regiment—A new sign lettered in smalts and gold has been painted for the main entrance and the old sign of the Twelfth Regiment taken down from the top of the building. The plumbing has been repaired and a new force pump put in the Janitor's apartments. 50 new camp-stools have been furnished.

THE DOG POUND.

An iron wire railing, with ash top and gates, has been put up in the office. The crane for lowering and raising the cage has been put up, with sheaves, pinions and brakes, and about 100 feet of wire rope. The pound is now open for business in its new quarters.

The Repair Shop at One Hundred and Nineteenth street and Avenue St. Nicholas—The roof of the building has been repaired and painted.

THE CIVIL SERVICE COMMISSION.

The Civil Service Commissioners having removed from the City Hall to the rooms leased for their use in the Cooper Institute, considerable alterations and repairs were required to meet the requirements of the Commission. Among others, new paneled glass partitions were put up with standing desk, window shades hung, furniture repaired, carpet and linoleum laid, mats and desk rugs furnished, a new wire railing put up, and miscellaneous supplies furnished. Tucker files, gas-fixtures and other work needed to complete the furnishing of the rooms have been ordered, and the work progressing.

In addition to the foregoing the repairs to the glazing and furniture in the several offices. The constant repairs to the plumbing, steam and gas fitting in the various buildings called for and made necessary through the severity of the winter and careless usage. The furnishing of law books, fuel and office supplies, form a very considerable portion of the work of the Bureau.

Very respectfully,

W. G. BERGEN, Superintendent.

Document "L."

REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,
No. 31 CHAMBERS STREET,
NEW YORK, April 4, 1888.

Gen. JOHN NEWTON, Commissioner of Public Works:

DEAR SIR—I have the honor to make the following report of the business of this Bureau for the quarter ending March 31, 1888 (months of January, February and March):

1,112 complaints of obstructions received and attended to.

470 seizures and removals of obstructions made.

1,719 building permits issued.

5 permits issued to cut down shade trees.

222 miscellaneous permits issued.

120 notices issued to repair defective sidewalks.

20 notices issued to repair defective vault covers.

Expense of seizing and removing 470 articles, including 66 loads of dirt, refuse, stones, etc., and 114 dead and dangerous trees from various parts of the city..... \$3,233 00

Total expenses for the quarter..... \$4,713 46

Received from owners for the redemption of seized articles..... \$747 90

Received from public auction sale held February 9, 1888, at the Corporation Yards, foot of East Twentieth street and One Hundred and Nineteenth street and St. Nicholas avenue..... 242 27

Total..... \$990 17

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

Salary account appropriation..... \$7,500 00
Expended up to April 1, 1888..... 1,480 46

Balance..... \$6,019 54

Appropriation for removal of obstructions in streets and avenues, including rents for Corporation Yards..... \$22,000 00
Amount expended to April 1, 1888..... 3,233 00

Balance..... \$18,767 00

Very respectfully,

JOHN RICHARDSON, Superintendent of Incumbrances.

Document "M."

REPORT OF THE WATER REGISTER.

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,
NEW YORK, March 31, 1888.

Hon. JOHN NEWTON, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties and taps, for the quarter ending March 31, 1888:

	Principal.	Penalties.	Taps.
January.....	\$84,871 64	\$1,220 85	\$228 00
February.....	123,057 64	809 70	254 50
March.....	127,128 02	1,856 10	281 00
Total.....	\$335,057 30	\$3,985 65	\$763 50

Total..... \$339,806 45

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

January.....	\$79 97
February.....	258 40
March.....	1,876 34

Total..... \$2,214 71

"Special Fund—Repairing Streets"—

January.....	\$442 00
February.....	1,982 00
March.....	622 00

Total..... \$3,046 00

Respectfully submitted,

J. H. CHAMBERS, Water Register.

FINANCE DEPARTMENT.

Abstract of the transactions of the Bureau of the City Chamberlain for the week ending April 21, 1888.

Hon. ABRAM S. HEWITT, Mayor:

SIR—In pursuance of section 165 of the Consolidation Act of 1882, I have the honor to present herewith a report to April 21, 1888, of all moneys received by me and the amount of all warrants paid by me since April 14, 1888, and the amount remaining to the credit of the City on April 21, 1888.

OFFICE OF THE CITY CHAMBERLAIN,
NEW YORK, April 26, 1888.Very respectfully,
WM. M. IVINS, Chamberlain.

DR. THE MAYOR, ALDERMEN AND COMMONALTY OF THE CITY OF NEW YORK, in account with WM. M. IVINS, Chamberlain, during the week ending April 21, 1888. CR.

1888 Apr. 21	To	1888. Apr. 14	By	1888. Apr. 21
	Additional Water Fund.....	\$130,591 30	Balance.....	\$2,384,682 45
	Commissioners of Excise Fund.....	233 47	Arrears of Taxes.....	\$67,140 78
	Croton Water Fund.....	141 34	Interest on Taxes.....	12,238 32
	Croton Water Rent—Refunding Account.....	197 50	Fund for Street and Park Openings.....	580 71
	Dock Fund.....	20,398 54	Street Improvement Fund—June 15, 1886.....	19,759 61
	Dog License Fund.....	300 00	Harlem River Improvement Fund.....	351 57
	Excise Licenses.....	24,106 13	Interest on Assessments.....	4,385 10
	For Construction of Bridge over Harlem River.....	67,487 35	Charges on Arrears of Taxes.....	25 00
	Fund for Street and Park Openings.....	570 50	Water Meter Fund No. 2.....	24 37
	Intestate Estates.....	450 00	Marine National Bank.....	35,250 00
	Local Improvement Fund.....	1,071 00	Taxes.....	57,266 18
	Refunding Assessments Paid in Error.....	125 31	Interest on Taxes.....	2,168 66
	Refunding Taxes Paid in Error.....	240 00	Water Meter Fund No. 2.....	41 85
	Street Improvement—June 15, 1886.....	7,283 45	Licenses.....	105 00
	Tax Sales—Moneys Refunded.....	570 20	Dog License Fund.....	680 00
		\$254,084 66	Dog License Fund.....	27 00
	Advertising.....	1888. 578 00	Tapping Pipes.....	573 50
	Association for Befriending Children and Young Girls.....	598 43	Water Meter Fund No. 2.....	30 18
	Aqueduct—Repairs, Maintenance and Strengthening.....	15 00	Restoring and Repaving.....	1,072 50
	Aqueduct—Repairs, Maintenance and Strengthening.....	171 08	Restoring and Repaving.....	70 00
	Burial of Honorably Discharged Soldiers, Sailors and Marines.....	105 00	Dock Fund.....	10 00
	Boulevards, Roads and Avenues, Maintenance of.....	2,334 37	Concert Licenses.....	150 00
	Cleaning Streets—Department of Street Cleaning.....	427 16	Additional Water Fund.....	10 00
	Cleaning Streets—Department of Street Cleaning—Carting above		General Fund.....	1 50
	Fourteenth Street.....	1888. 9 02	Comptroller.....	167 90
	Cleaning Streets—Department of Street Cleaning—Final Disposition.....	9,847 62	Britton.....	401 74
	Cleaning Streets—Department of Street Cleaning—New Stock.....	1,300 00	Beekman.....	759 74
	Cleaning Streets—Department of Street Cleaning—Rents and		Robb.....	352 63
	Contingencies.....	570 38	Coleman.....	330 40
	Cleaning Streets—Department of Street Cleaning—Removal of		State Comptroller.....	2,913 00
	Snow and Ice.....	2,928 25	3 per cent. Consolidated Stock—Harlem	
	Cleaning Streets—Department of Street Cleaning—Sweeping		River Bridge.....	100,000 00
	above Fourteenth Street.....	4 48	2½ per cent. Revenue Bond, 1888.....	300,000 00
	College of the City of New York.....	49 20		608,233 55
	Construction of Station-house, Twenty-eighth Precinct.....	1886. 55 00		
	Contingencies—Comptroller's Office.....	1887. 17 85		
	Contingencies—Comptroller's Office.....	1888. 72 51		
	Contingencies—District Attorney's Office.....	1,684 04		
	Contingencies—Law Department.....	553 57		
	Contingencies—Law Department.....	1887. 44 15		
	Fire Department Fund—Apparatus.....	11 23		
	Fire Department Fund—Apparatus.....	1888. 3,589 38		
	Five Points House of Industry.....	1,863 70		
	Health Fund—Contingencies.....	1887. 20 46		
	Health Fund—Contingencies.....	1888. 445 02		
	Hospital Fund.....	540 15		
	Harlem River Bridge—Repairs, Improvements and Maintenance.....	75 66		
	Interest on the City Debt—Before January, 1887.....	452 50		
	Interest on the City Debt—Before January, 1888.....	140 00		
	Institution for the Improved Instruction of Deaf Mutes.....	4,747 00		
	Jury's Fees.....	17 00		
	Judgments.....	2,809 74		
	Laying Croton Pipes.....	502 25		
	Lamps and Gas and Electric Lighting.....	640 00		
	Maintenance and Government of Parks and Places—General			
	Maintenance.....	338 02		
	Maintenance and Government of Parks and Places—Police			
	Department.....	140 75		
	Maintenance—Twenty-third and Twenty-fourth Wards.....	1887. 36 00		
	Maintenance—Twenty-third and Twenty-fourth Wards.....	1888. 15 81		
	New York Catholic Protectorate.....	2,773 30		
	Night Medical Service.....	550 00		
	New York Society for the Relief of the Ruptured and Crippled.....	5,975 00		
	New York Infant Asylum.....	6,960 94		
	Printing, Stationery and Blank Books.....	11,577 49		
	Public Drinking-Fountains.....	75 52		
	Public Buildings—Construction and Repairs.....	344 76		
	Public Charities and Correction—Alterations, Additions and			
	Repairs.....	1885. 41 68		
	Public Charities and Correction—Supplies.....	85 50		
	Public Charities and Correction—Supplies.....	1887. 8,158 63		
	Public Charities and Correction—Alterations, Additions and			
	Repairs.....	14 00		
	Public Charities and Correction—Paupers.....	25 21		
	Public Charities and Correction—Alterations, Additions and			
	Repairs.....	1888. 774 18		
	Public Charities and Correction—Coal.....	710 00		
	Public Charities and Correction—Supplies.....	16,732 89		
	Public Charities and Correction—Paupers.....	350 14		
	Public Instruction.....	250 00		
	Public Instruction—Incidental Expenses Ward Schools.....	1885. 19 97		
	Public Instruction—Incidental Expenses Ward Schools.....	1887. 230 88		
	Public Instruction—Heating Apparatus.....	107 57		
	Public Instruction—Supplies.....	10 00		
	Public Instruction—Salaries of Teachers, Grammar and Primary			
	Schools.....	273 12		
	Public Instruction—Buildings Contingent Fund.....	1888. 767 45		
	Public Instruction—Clerks to Board.....	79 27		
	Public Instruction—Gas.....	38 06		
	Public Instruction—Incidental Expenses of Board of Education.....	3 77		
	Public Instruction—Incidental Expenses of Normal College.....	23 25		
	Public Instruction—Incidental Expenses of Ward Schools.....	363 93		
	Public Instruction—Rents.....	300 00		
	Public Instruction—Supplies.....	2,839 08		
	Public Instruction—Salaries of Teachers and Janitors, Evening			
	Schools.....	6,765 04		
	Public Instruction—For Technical, Manual and Industrial Edu-			
	cation.....	300 80		
	Roman Catholic House of the Good Shepherd.....	913 06		
	Real Estate, Expenses of.....	25 00		
	Refunding Interest and Charges on Lands.....	1882. 63 79		
	Riverside Park and Avenue.....	1887. 11 75		
	Riverside Park and Avenue.....	1888. 5 50		
	Repairs and Renewal of Pavements and Regrading.....	3,313 99		
	Repairing and Renewal of Pipes, Stop-cocks, etc.....	15 00		
	Repairing and Renewal of Pipes, Stop-cocks, etc.—For Ordinary			
	Repairs.....	1888. 3,666 63		
	Repairing and Renewal of Pipes, Stop-cocks, etc.—For Replacing			
	Water-mains, etc.....	970 55		
	Roads, Streets and Avenues—Unpaved.....	578 00		
	Sheriff's Fees.....	3,698 60		
	Supplies for and Cleaning Public Offices.....	4,439 29		
	Sewers—Repairing and Cleaning.....	66 00		
	Surveys, Maps and Plans.....	55 28		
	St. Joseph's Institution for the Improved Instruction of Deaf Mutes			
	Salaries—City Courts.....	4,526 55		
	Salaries and Contingencies—Mayor's Office.....	210 48		
	Salaries—Judiciary.....	20 47		
	Balance.....	1,044 06		
		146,691 43		
		2,592,139 91		
		\$2,992,916 00		
				\$2,992,916 00

THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY OF NEW YORK, in account with WM. M. IVINS, Chamberlain, for and during the week ending April 21, 1888.

1888. Apr. 14 " 21			SINKING FUND FOR THE REDEMPTION OF THE CITY DEBT.		SINKING FUND FOR THE PAYMENT OF INTEREST ON THE CITY DEBT.	
			Dr.	Cr.	Dr.	Cr.
	By Balance, as per last account current.....	Cady.....		\$701,652 11		\$757,941 52
	Assessment Fund.....	".....				
	Street Improvement Fund.....	Kelso.....				
	Market Rent and Fees.....	".....				
	Bond and Mortgage.....	Byrnes.....				
	Licenses.....	Matthews.....				
	Dock and Slip Rent.....	Importers and Traders' National Bank.....				
	Interest on Deposits.....	Marine National Bank.....				
	Marine National Bank.....	5 per cent. dividend.....				
	Croton Water Rent and Penalties.....	Chambers.....		39,735 41		
	Croton Water Arrears and Interest.....	Cady.....				
	Croton Water Arrears.....	McLean.....				
	Ferry Rent.....	Kelso.....				
	House Rent.....	".....				
	Interest on Bond and Mortgage.....	Hayward & Duffy.....				
	To Sinking Fund—Redemption.....		\$100,000 00			25,167 73
	Balances.....		641,387 52		\$783,109 25	
					\$783,109 25	\$783,109 25
Apr. 21, 1888.	By Balances.....			\$641,387 52		\$783,109 25
	E. & O. E.					
	NEW YORK, April 21, 1888.					
					WM. M. IVINS, Chamberlain.	

DEPARTMENT OF STREET CLEANING.

DEPARTMENT OF STREET CLEANING—CITY OF NEW YORK,
Nos. 49 AND 51 CHAMBERS STREET,
NEW YORK, May 14, 1888.

In accordance with the provisions of section 51, chapter 410 of the Laws of 1882, the Commissioner of Street Cleaning makes the following abstract of the transactions of this Department for the week ending April 29, 1888:

Streets Swept.		Miles.	Feet.
By Department.....		594	3,860
By contract, Lower Broadway.....		15	
By contract, First District.....		200	2,640
By contract, Second District.....		320	2,640
Totals.....		1,130	3,860

Material Removed.		Loads.
Ashes.....		18,189
Street dirt.....		8,980
Department of Public Works.....		411
Markets.....		192
Permits.....		4,005
Totals.....		31,837

Final Disposition.		Loads.
38 dumpers at sea.....		15,094
12 deck scows at Gowanus.....		4,471
7 deck scows at Harlem.....		3,118
5 deck scows at Newtown creek.....		1,807
4 deck scows at Fort Lee.....		1,378
3 deck scows at Staten Island.....		1,009
3 deck scows at Hart's Island.....		1,018
1 deck scow at Edgewater.....		475
Totals.....		28,460

Appointments.	
Michael Georgi, Department Cart Driver.	
William Mahoney, Department Cart Driver.	
Thomas Russell, Department Cart Driver.	
Henry Hulsman, Department Cart Driver.	
John Gerrity, Hired Cart, Twenty-ninth Precinct.	
Daniel Ryan, Department Cart Driver.	
Michael Lynch, Hired Cart, Twenty-ninth Precinct.	
Thomas Dalton, Department Cart Driver.	
Patrick Gillen, Department Cart Driver.	
Morris Spillane, Laborer, Twenty-fifth Precinct.	
John Frayne, Department Cart Driver.	
George Crawford, Department Cart Driver.	
Frank Klausmann, Department Cart Driver.	
John Carey, Laborer, Twenty-first Precinct.	
P. C. Mulrooney, Hostler, Stables.	
James McGowan, Laborer, Nineteenth Precinct.	

Removals.	
J. K. Coates, No. 1, Hired Cart, Twenty-ninth Precinct.	
Adam Fisher, Laborer, Nineteenth Precinct.	
Thomas Lyons, Laborer, Twenty-second Precinct.	
John Lyons, Laborer, Twenty-second Precinct.	
William Dietz, Laborer, Twenty-second Precinct.	
Michael Whelehan, Hired Cart, Sixteenth Precinct.	
John Becker, Department Cart Driver.	
John Clark, Department Cart Driver.	
John Culhane, Department Cart Driver.	
Patrick McGee, Department Cart Driver.	
Hugh McKenna, Department Cart Driver.	
William O'Connor, Department Cart Driver.	
Peter Riley, Department Cart Driver.	
James Whitney, Department Cart Driver.	
John Foley, Department Cart Driver.	
John Kiernan, Department Cart Driver.	
James Keenan, Department Cart Driver.	
Charles Kane, Department Cart Driver.	
John Ledwith, Department Cart Driver.	
Thomas Lovett, Department Cart Driver.	
Phil. Martin, Department Cart Driver.	
George Mills, Department Cart Driver.	
Charles McLean, Department Cart Driver.	
William Smith, Department Cart Driver.	
George Schmidt, Department Cart Driver.	
Patrick Wynn, Department Cart Driver.	
P. Cavanagh, Hostler, Stables.	

—audited and transmitted to the Finance Department for payment, and chargeable to the appropriation for "Cleaning Streets—Department of Street Cleaning," for the year 1888:

Schedule No. 34—		
Avery, Thomas C.....		\$127 50
Carey, Edward L.....		162 50
Coates, John K.....		160 50
Dillon, James.....		549 00
Dahlman, I. H.....		366 75
		325 00

Drummond, M. J.....	\$106 25
Early, John, & Co.....	95 31
Edinger Bro. & Jacob.....	30 00
Fitzpatrick, James.....	791 42
Gaskell, Greenlie & Co.....	213 60
Hearn & Son, James A.....	16 70
Hotchkiss, Field & Co.....	57 15
Hayward & Duffy.....	250 00
assignees of M. J. O'Reilly.....	250 00
Moran, Michael.....	488 00
Vanderbilt & Hopkins.....	959 14
Total.....	\$4,948 88

Moneys Received
—and transmitted to the City Chamberlain:
Trimming scows.....\$330 40

J. S. COLEMAN, Commissioner of Street Cleaning.

EXECUTIVE DEPARTMENT.

MAYOR'S OFFICE,
NEW YORK, February 10, 1888.

I, Abram S. Hewitt, Mayor of the City of New York, pursuant to the provisions of chapter 10 of the Laws of 1888, do hereby designate the Sun, Herald, Times, World, Star, Tribune, Journal, Press, Evening Post, Commercial Advertiser, Graphic, Telegram, Evening Sun, Evening World, Mail and Express, Staats Zeitung, New Yorker Zeitung and Daily News as the newspapers in which the advertisements provided for in said act may be printed.

(Signed), ABRAM S. HEWITT,
Mayor.CITY COURT—TRIAL TERM,
PART I.In view of the alterations going on in the old City Hall, the April term of Part I. of the City Court will be held in room known as Part III. of the Superior Court in the New Court-house.
By order of the Court.MICHAEL T. DALY,
Clerk.CIVIL SERVICE SUPERVISORY
AND EXAMINING BOARDS.CITY OF NEW YORK—CIVIL SERVICE
SUPERVISORY AND EXAMINING BOARDS,
SECRETARY'S OFFICE,
ROOM 11, CITY HALL,
NEW YORK, June 3, 1887.THOMAS COSTIGAN, Esq.,
Supervisor City Record:

DEAR SIR—The following amendment to Regulation 16 of the New York City Civil Service Regulations has been made:

If the appointing officer shall notify the Secretary of more than one vacancy at any one time, the Secretary shall certify to the appointing officer for appointment, the names of as many persons as there are vacancies to be filled, with the addition of two names for the first vacancy and one name for every two vacancies in addition to the first.

Yours respectfully,
LEE PHILLIPS,
Secretary and Executive Officer.CITY OF NEW YORK—CIVIL SERVICE
SUPERVISORY AND EXAMINING BOARDS,
SECRETARY'S OFFICE,
ROOM 11, CITY HALL,
NEW YORK, May 31, 1887.THOMAS COSTIGAN, Esq.,
Supervisor:

DEAR SIR—The following resolution was passed by the Supervisory Board at their meeting, held May 27, 1887:

"Resolved, That in view of the inadequate space in the Secretary's office and in order to enable him more readily to discharge the business of the same, the Secretary is authorized to arrange the business of the office so that the same shall be open for personal interviews with applicants and the public during a part of the day only."

Pursuant to the above action, I hereby designate the two hours between 2 and 4 o'clock in afternoon as the time for which the offices shall be open for personal interviews with applicants and the public.

Very respectfully,
LEE PHILLIPS,
Secretary and Executive Officer.

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.
ABRAM S. HEWITT, Mayor. ARTHUR BERRY,
Secretary and Chief Clerk.Mayor's Marshal's Office.
No. 1 City Hall, 9 A. M. to 4 P. M.
THOMAS W. BYRNES, First Marshal.
GEORGE W. BROWN, Jr., Second Marshal.COMMISSIONERS OF ACCOUNTS.
Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M.
WM. PITT SHEARMAN, J. B. ADAMSON.AQUEDUCT COMMISSIONERS.
Room 209, Stewart Building, 5th floor, 9 A. M. to 5 P. M.
JAMES C. SPENCER, President; JOHN C. SHEEHAN,
Secretary; BENJAMIN S. CHURCH, Chief Engineer; J. C. LULLEY, Auditor.BOARD OF ARMORY COMMISSIONERS.
THE MAYOR, Chairman; PRESIDENT OF DEPARTMENT OF TAXES AND ASSESSMENTS, Secretary.
Address M. COLEMAN, Staats Zeitung Building, Tryon Row. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.LEGISLATIVE DEPARTMENT.
Office of Clerk of Common Council.
No. 8 City Hall, 10 A. M. to 4 P. M.
GEORGE H. FORSTER, President Board of Aldermen.
FRANCIS J. TWOMEY, Clerk Common Council.City Library.
No. 12 City Hall, 10 A. M. to 4 P. M.
D. N. CARVALHO, City Librarian.DEPARTMENT OF PUBLIC WORKS.
Commissioner's Office.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOHN NEWTON, Commissioner; D. LOWBER SMITH,
Deputy Commissioner.Bureau of Chief Engineer.
No. 31 Chambers street, 9 A. M. to 4 P. M.
GEORGE W. BIRDSALL, Chief Engineer.Bureau of Water Register.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOHN H. CHAMBERS, Register.Bureau of Street Improvements.
No. 31 Chambers street, 9 A. M. to 4 P. M.
WM. M. DEAN, Superintendent.Engineer-in-Charge of Sewers.
No. 31 Chambers street, 9 A. M. to 4 P. M.
HORACE LOOMIS, Engineer-in-Charge.Bureau of Repairs and Supplies.
No. 31 Chambers street, 9 A. M. to 4 P. M.
WILLIAM G. BERGEN, Superintendent.Bureau of Water Purveyor.
No. 31 Chambers street, 9 A. M. to 4 P. M.
ALSTON CULVER, Water Purveyor.

The person or persons to whom the contract may be awarded will be required to attend at this office with the

ceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the city of New York, on or before the nineteenth day of June, 1888, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said nineteenth day of June, 1888, and for that purpose will be at attendance at our said office on each of said ten days, at three o'clock p. m.

Second—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the nineteenth day of June, 1888.

Third—That the limits embraced by the assessment aforesaid are, as follows, to wit: All those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: North of the centre line of the blocks between One Hundred and Forty-eighth and One Hundred and Forty-ninth streets; easterly by the westerly side of Eighth avenue; southerly by the centre line of the blocks between One Hundred and Forty-seventh and One Hundred and Forty-eighth streets; westerly by the bulkhead-line of the Hudson river; excepting from said area all the streets and avenues heretofore opened, and a new avenue from the last-mentioned map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the sixth day of July, 1888, at the opening of the Court on that day, and that then and there, or as soon thereafter as Counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, April 27, 1888.

JAMES J. KELSO,
DAVID DE VENNY,
GEO. CAULFIELD,
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of ONE HUNDRED AND THIRTY-EIGHTH STREET, from the easterly line of Tenth avenue to a point distant 90 feet 3/4 inches easterly therefrom, and a new avenue from the last-mentioned point, in a southerly, easterly and northerly direction, to Avenue St. Nicholas, opposite One Hundred and Thirty-fifth street.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, the Mayor, Aldermen and Commonalty of the City of New York hereby gives notice that the Counsel to the Corporation will apply to the Supreme Court in the First Judicial District of the State of New York, at a Special Term thereof, to be held at Chambers of said Court, in the County Court-house in the City of New York, on the 7th day of June, 1888, at 10 o'clock in the forenoon of that day, and as soon thereafter as Counsel can be heard thereon, for the appointment of a Commissioner of Estimate and Assessment in the above proceeding in the place and stead of Cornelius A. Runkle, deceased.

Dated New York, April 27, 1888.

HENRY R. BECKMAN,
Counsel to the Corporation,
No. 2 Tryon Row, New York City.

JURORS.

NOTICE

IN RELATION TO JURORS FOR STATE COURTS.

OFFICE OF THE COMMISSIONER OF JURORS,
ROOM 127, STEWART BUILDING,
CHAMBERS STREET AND BROADWAY,
NEW YORK, June 1, 1887.

APPLICATIONS FOR EXEMPTIONS WILL BE heard here, from 9 to 4 daily, from all persons hitherto liable or recently serving who have become exempt, and all needed information will be given. Those who have not answered as to their liability, or proved permanent exemption, will receive a "jury enrollment notice," requiring them to appear before this year. When liable or exempt persons receive notice, they must answer in person, if possible, and at this office only, under severe penalties. If exempt, the party must bring proof of exemption; if liable, he must also answer in person, giving full and correct name, residence, etc., etc. No attention paid to letters.

Persons "enrolled" as liable must serve when called or pay their fines. No excuse will be allowed or preference permitted. The fines if unpaid will be entered as judgments upon the property of the delinquents. All good citizens will aid the course of justice, and secure reliable and respectable jurors, and equalize their duty by serving promptly when summoned, allowing their clerks or subordinates to serve, reporting to me any attempt at bribery or evasion, and suggesting names for enrollment. Persons between sixty and seventy years of age, summer absentees, persons temporarily ill, and United States jurors are not exempt.

Every man must attend to his own notice. It is a misdemeanor to give any jury paper to another to answer. It is also punishable to give or attempt to give or receive any present or bribe, directly or indirectly, in relation to a jury service, or to withhold any paper or make any false statement, and every case will be fully prosecuted.

CHARLES REILLY,

Commissioner of Jurors.

FINANCE DEPARTMENT.

CITY OF NEW YORK,
FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
May 9, 1888.

NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 916 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons owning property affected by the following assessment lists, viz.:

Southern Boulevard sewer and appurtenances, on the south side, between Lincoln and Willis avenues.
Tenth avenue laying out, from One Hundred and Fifty-fifth to One Hundred and Sixty-fifth street.
One Hundred and Eighty and One Hundred and Ninety streets fencing vacant lots, between First and Second avenues.

One Hundred and Twenty-second street paving with trap-blocks, from Seventh avenue to Avenue St. Nicholas, and laying crosswalks.

One Hundred and Twenty-third street paving with granite-block pavement, from Eighth to Tenth avenue, and laying crosswalks.

One Hundred and Thirty-first street sewer and appurtenances, from the east side of Willis avenue to the east line of Brown place.

One Hundred and Forty-second street regulating, grading, curbing and flagging, from Seventh to Eighth avenue.

One Hundred and Fifty-first street regulating, grading, curbing, flagging and laying crosswalks between North Third and Courtland avenues.

Avenue B sewer, between Fourth and Sixth streets, which were confirmed by the Board of Revision and Correction of Assessments May 3, 1888, and entered on the same date in the Record of Titles of Assessments kept in the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents,"

that unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 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 same, to such assessment, to charge, collect and receive interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

The above assessments are payable to the Collector of Assessments and Clerk of Arrears at the "Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents," between the hours of 9 a. m. and 5 p. m., and all payments made thereon, on or before July 16, 1888, 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 to the date of payment.

THEODORE W. MYERS,
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 examination and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1853 to 1887, prepared under the direction of the Commissioners of Records.
Grantees, grantees, suits in equity, insolvents' and Sheriff's sales in 61 volumes, full bound, price..... \$100 00
The same in 25 volumes, half bound..... 50 00
Complete sets, folded, ready for binding..... 15 00
Records of Judgments, 25 volumes, bound..... 10 00
Orders should be addressed to "Mr. Stephen Angell Room 23, Stewart Building."

THEODORE W. MYERS,
Comptroller.

CORPORATION NOTICE.

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

List 2539, No. 1. Sewer and appurtenances in Washington avenue, between Brook avenue and One Hundred and Sixty-ninth street.

List 2540, No. 2. Paving Eighteenth street, from Ninth to Tenth avenue, with trap blocks.

List 2537, No. 3. Paving Ninety-ninth street, from Ninth to Tenth avenue, with trap blocks.

List 2541, No. 4. Paving One Hundred and Thirty-second street, from Sixth to Seventh avenue, with trap blocks.

List 2542, No. 5. Fencing vacant lots on the southeast corner of Madison avenue and One Hundred and Twelfth street.

List 2535, No. 6. Fencing vacant lots bounded by One Hundred and Twenty-fifth street, Manhattan street and Tenth avenue.

List 2546, No. 7. Fencing vacant lots on both sides of One Hundred and Fifteenth street, from Boulevard to Riverside Drive.

List 2537, No. 8. Fencing vacant lots on the west side of Western Boulevard, between One Hundred and Twenty-fifth and One Hundred and Twenty-sixth streets.

List 2548, No. 9. Fencing vacant lots on block bounded by Ninety-fourth and Ninety-fifth streets, Eighth and Ninth avenues.

List 2547, No. 10. Regulating, grading, setting curbstones and flagging One Hundred and Fifty-fifth street, from East One Hundred and Fifty-fifth street to Eighth avenue to the west line of the first new avenue west of Eighth avenue.

List 2563, No. 11. Regulating, grading, setting curbstones and flagging in Ninetieth street, from First avenue to Avenue A.

List 2572, No. 12. Regulating, grading, setting curbstones and flagging One Hundred and Fortieth street, from Eighth to Tenth avenue.

List 2573, No. 13. Regulating, grading, setting curbstones and flagging Edgecomb avenue, from One Hundred and Thirty-seventh to One Hundred and Fortieth street.

List 2576, No. 14. Flagging both sides of One Hundred and Tenth street, between Fourth and Madison avenues.

List 2577, No. 15. Flagging east side of Seventh avenue, between One Hundred and Twenty-first and One Hundred and Twenty-second streets.

List 2578, No. 16. Flagging north side of One Hundred and Twenty-seventh street and south side of One Hundred and Twenty-eighth street, between Fourth and Lexington avenues.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces of land, and all other lands situated on—

No. 1. Bounded on the north by One Hundred and Sixty-ninth street, on the south by One Hundred and Twenty-second street and Brook avenue, on the east by Tenth avenue, and on the west by Washington avenue; including the east side of Boston avenue, from One Hundred and Sixty-seventh to One Hundred and Sixty-ninth street, and both sides of Washington avenue, from Brook avenue to One Hundred and Sixty-ninth street.

No. 2. Both sides of Eightieth street, from Ninth to Tenth avenue, and to the extent of half the block at the intersecting avenues.

No. 3. Both sides of Ninety-ninth street, from Ninth to Tenth avenue, and to the extent of half the block at the intersecting avenues.

No. 4. Both sides of One Hundred and Thirty-second street, from Sixth to Seventh avenue, and to the extent of half the block at the intersecting avenues.

No. 5. Commencing at the southeast corner of Madison avenue and One Hundred and Twelfth street, and extending easterly to One Hundred and Twelfth street 70 feet and southerly on Madison avenue 121 feet.

No. 6. Property bounded by One Hundred and Twenty-fifth street, Manhattan street and Tenth avenue, from the east line of One Hundred and Fifteenth street, from the Boulevard to Riverside Drive.

No. 8. West side of Western Boulevard, from One Hundred and Twenty-fourth to One Hundred and Twenty-fifth streets, Eighth and Ninth avenues.

No. 9. Block bounded by Ninety-fourth and Ninety-fifth streets, Eighth and Ninth avenues.

No. 10. North side of One Hundred and Fifty-fifth street, from Eighth avenue to Edgecomb road, and south side of One Hundred and Fifty-fifth street, extending half the distance from first new avenue west of Eighth avenue to Eighth avenue, and half the distance to second new avenue west of Eighth avenue.

No. 11. Both sides of Ninetieth street, from First avenue to Avenue A, and to the extent of half the block at the intersecting avenues.

No. 12. Both sides of One Hundred and Fortieth street, from Eighth to Edgecomb avenue, and to the extent of half the block at the intersecting avenues.

No. 13. Both sides of Edgecomb avenue, from One Hundred and Thirty-seventh to One Hundred and Fortieth street, and to the extent of half the block at the intersecting streets.

No. 14. Both sides of One Hundred and Tenth street, between Fourth and Madison avenues.

No. 15. East side of Seventh avenue, from One Hundred and Twenty-first to One Hundred and Twenty-second street.

No. 16. North side of One Hundred and Twenty-seventh street and south side of One Hundred and

Twenty-eighth street, from Fourth to Lexington avenue. All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 113 City Hall, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on June 20, 1888.

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

OFFICE OF THE BOARD OF ASSESSORS,
No. 113 CITY HALL,
NEW YORK, May 19, 1888.

In the matter of closing that portion of KINGSBRIDGE ROAD lying south of One Hundred and Fiftieth street, and portions of other streets adjacent thereto.

PURSUANT TO THE AUTHORITY VESTED in the Board of Assessors by chapter 657 of the Laws of 1879, and other statutes in such cases made and provided, said Board of Assessors has examined and duly considered all the claims presented to it for awards for damages to land, and for the above-entitled matter, and has made certain awards for damages, and has established the area benefited by the aforesaid closing.

All persons whose interests may be affected by this proceeding are notified that, within twenty days from the date hereof, the Board of Assessors will apportion the expense belonging thereto among the owners of all houses and lots intended to be benefited thereby.

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

OFFICE OF THE BOARD OF ASSESSORS,
No. 113 CITY HALL,
NEW YORK, May 17, 1888.

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

List 2501, No. 1. Regulating, grading, setting curbstones and flagging One Hundred and Sixty-fifth street, from Tenth to Eleventh avenue.

List 2576, No. 2. Regulating, grading, setting curbstones and flagging Eighty-seventh street, from the Boulevard to West End avenue.

List 2569, No. 3. Sewer in One Hundred and Twenty-second street, between Ninth and Manhattan avenues.

List 2569, No. 4. Sewer in One Hundred and Forty-eighth street, between Seventh and Eighth avenues.

List 2569, No. 5. Sewer in One Hundred and Sixty-sixth street, between West End and Riverside avenues.

List 2567, No. 6. Alteration, etc., to sewers in Eleventh avenue, between Fourteenth and Seventeenth streets, and in Fourteenth street, between Tenth and Thirtieth avenues, and sewers in Eleventh avenue, between Fifteenth and Sixteenth streets, and in Fifteenth street, between Tenth and Eleventh avenues.

List 2569, No. 7. Sewer in Tenth avenue, west side, between One Hundred and Forty-first and One Hundred and Forty-second streets, and in One Hundred and Forty-second street, between Tenth avenue and Hamilton place, connecting with sewer in Hamilton street.

List 2567, No. 8. Sewer in Birmingham street, between Henry and Madison streets.

List 2564, No. 9. Receiving-basin on the southeast corner of Fourteenth and Tenth avenues.

List 2575, No. 10. Sewer in Pleasant avenue, between One Hundred and Sixteenth and One Hundred and Fiftieth streets, connecting with present sewer in One Hundred and Sixteenth street.

List 2568, No. 11. Sewer and appurtenances in One Hundred and Sixty-fourth street, between Washington and Third avenues, with a branch in Third avenue, from One Hundred and Sixty-fourth street to the summit of West End and Riverside avenues.

List 2568, No. 12. Sewer in One Hundred and Sixty-ninth street, between North Third and Fourth avenues, with a branch in Fulton avenue, between One Hundred and Sixty-ninth and One Hundred and Sixty-eighth streets.

List 2562, No. 13. Receiving-basins and sewer connection at the northeast and southeast corners of Morris avenue and One Hundred and Forty-fourth street.

List 2563, No. 14. Receiving-basin and sewer connection at the northwest corner of One Hundred and Thirty-fifth street and Tenth avenue.

List 2569, No. 15. Sewer in Bleeker street, between Christopher and West Tenth streets.

List 2561, No. 16. Sewer in Eighty-seventh street, between Tenth and Eleventh avenues.

List 2564, No. 17. Receiving-basin on southwest corner of Seventy-sixth street and Lexington avenue.

List 2567, No. 18. Sewer in Tenth avenue, west side, between One Hundred and Twenty-second and One Hundred and Twenty-third streets.

List 2568, No. 19. Sewer in One Hundred and Thirty-third street, between Tenth avenue and Broadway.

The limits embraced by such assessments include all the several houses and lots of ground, vacant lots, pieces of land, and all other lands situated on—

No. 1. Both sides of One Hundred and Sixty-fifth street, from Tenth to Eleventh avenue, and to the extent of half the block at the intersecting avenues.

No. 2. Both sides of Eighty-seventh street, from the Boulevard to West End avenue.

No. 3. Both sides of One Hundred and Twenty-second street, between Ninth and Manhattan avenues.

No. 4. Both sides of One Hundred and Forty-eighth street, between Seventh and Eighth avenues.

No. 5. Both sides of Seventy-sixth street, between Tenth and Eleventh avenues, also east side of Eleventh avenue, between Fourteenth and Seventeenth streets, including triangle on west side of Eleventh avenue, south of Sixteenth street.

No. 6. Block bounded by Hamilton place and Tenth avenue, One Hundred and Forty-first and One Hundred and Forty-second streets, including both sides of One Hundred and Forty-second street, from Tenth avenue to Hamilton place.

No. 7. Block bounded by Birmingham street, between Madison and Henry streets.

No. 8. Both sides of Fourth avenue, between Thirtieth and Fourteenth streets.

No. 9. Both sides of Pleasant avenue, between One Hundred and Fifteenth and One Hundred and Sixteenth streets, extending also on both sides of One Hundred and Fifteenth street about seventy-five feet westerly from Pleasant avenue.

No. 10. North side of One Hundred and Sixty-fourth street, between Washington and Third avenues; east side of Washington avenue, between One Hundred and Sixty-third and One Hundred and Sixty-fifth streets, and west side of Third avenue, extending southerly about one hundred and thirty-five feet southerly from One Hundred and Sixty-fourth street.

No. 11. Both sides of One Hundred and Sixty-ninth street, from North Third to Fourth avenues, west side of Franklin avenue, extending about two hundred and eighty-five feet northerly from One Hundred and Sixty-ninth street and about two hundred and eighty-five feet southerly from One Hundred and Sixty-ninth street, and east side of North Third avenue, between One Hundred and Sixty-eighth to One Hundred and Sixty-ninth streets.

No. 12. Block bounded by One Hundred and Forty-third and One Hundred and Forty-fourth streets, Morris and College avenues; also east side of One Hundred and Forty-fifth street, between College and Morris avenues; also east side of Morris avenue, between One

Hundred and Forty-fourth and One Hundred and Forty-fifth streets; and west side of College avenue, between One Hundred and Forty-fourth and One Hundred and Forty-fifth streets.

No. 14. West side of Third avenue, between One Hundred and Thirty-fifth and One Hundred and Thirty-sixth streets, and north side of One Hundred and Thirty-fifth street, between Third and Rider avenues.

No. 15. Both sides of Bleeker street, between Tenth and Christopher streets.

No. 16. Both sides of Eighty-seventh street, between Eighth and Ninth avenues.

No. 17. South side of Seventy-sixth street, from Lexington and Fourth avenues.

No. 18. West side of Tenth avenue, from Twenty-third to Twenty-second street.

No. 19. Both sides of One Hundred and Thirty-third street, from the Boulevard to Tenth avenue.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Chairman of the Board of Assessors, at their office, No. 113 City Hall, within thirty days from the date of this notice.

The above-described lists will be transmitted, as provided by law, to the Board of Revision and Correction of Assessments for confirmation, on the 13th day of June, 1888.

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

OFFICE OF THE BOARD OF ASSESSORS,
No. 113 CITY HALL,
NEW YORK, May 19, 1888.

DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, No. 31 CHAMBERS STREET,
NEW YORK, May 18, 1888.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office, until 12 o'clock p. m., Friday, June 1, 1888, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR SEWER IN ONE HUNDRED AND FIFTIETH STREET, between Eighth and Ninth avenues, and between Manhattan avenue and avenue east of Morningside Park.

No. 2. FOR SEWERS IN ONE HUNDRED AND EIGHTIETH STREET, between Eighth and Ninth avenues.

No. 3. FOR FLAGGING AND REFLAGGING THE SIDEWALKS ON THE EAST SIDE OF TENTH AVENUE, between Sixty-fifth and Sixty-sixth streets, between Seventh and Seventeenth streets, and between Seventy-second and Seventy-third streets, Seventy-eighth and Seventy-ninth streets, AND ON THE WEST SIDE OF TENTH AVENUE, between Sixty-sixth and Seventy-first streets, and Seventy-first and Seventy-second streets.

No. 4. FOR REGULATING AND GRADING NINETEEN-SECOND STREET, from Boulevard to Riverside Drive, and SETTING CURBSTONES AND FLAGGING SIDEWALKS THEREON.

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

No estimate will be considered unless accompanied by the oath of the person making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded, and they will pay to the Corporation the amount to be calculated upon the estimated amount of the work by which the bids are tested.

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

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

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Room 6, No. 31 Chambers Street.

D. LOWBER SMITH,

Deputy and Acting Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, No. 31 CHAMBERS ST.,
NEW YORK, May 15, 1888.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office, until 12 o'clock p. m., Monday, May 22, 1888, at which place and hour they will be publicly opened by the head of the Department.

Supervisor.